

**REPORT FOR AN INITIAL PHASE II
ENVIRONMENTAL SITE ASSESSMENT**

FOR THE SOUTH BEND AREA A PROPERTIES

Located at:
**SOUTH OF SAMPLE STREET, EAST OF PRAIRIE AVENUE,
NORTH OF CONRAIL, AND WEST OF FRANKLIN STREET
SOUTH BEND, INDIANA**

Prepared for:
**THE CITY OF SOUTH BEND DEPARTMENT OF
COMMUNITY AND ECONOMIC DEVELOPMENT
1200 COUNTY-CITY BUILDING
SOUTH BEND, INDIANA 46601**

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1.0 INTRODUCTION

1.1 General

Hull & Associates, Inc. (Hull) was retained by the City of South Bend Department of Community and Economic Development (City) to complete an initial Phase II Environmental Site Assessment (ESA) for the Area A properties of the Studebaker Corridor. This assessment was conducted as part of a beneficial reuse study for Area A and to investigate recognized environmental conditions (RECs) that were identified during a Phase I ESA (Hull Document #SBI002.100.0001) for Area A, completed by Hull in January 2001.

Work for the initial Phase II ESA was conducted in general conformance with the initial Phase II ESA Work Plan (Hull Document # SBI002.100.0003) that was prepared in December 2000. The initial Phase II ESA Work Plan was prepared, and field work was performed, consistent with Indiana Department of Environmental Management's (IDEM's) Voluntary Remedial Program (VRP) guidance and a Quality Assurance Project Plan (QAPP) dated August 2001 (Hull Document # SBI002.300.0008). Following completion of fieldwork and due to a variety of circumstances, the City elected to evaluate risk at the Site consistent with Indiana's Risk Integrated System of Closure (RISC) non-rule policy. For this reason, the scope of work completed at the Site slightly differs from protocols recommended under RISC. Hull has made an attempt to point out these differences where applicable in this report.

1.2 Site History

Area A, shown on Figure 1, comprises four contiguous properties that occupy approximately 88 acres. The properties are located south of Sample Street, east of Prairie Avenue, north of Conrail and west of Franklin Street. The properties included in Area A are the Underground Pipe & Valve property located at 1100 Prairie Avenue, the Huckins Tool & Die property located at 1010 Prairie Avenue, the South Bend Lathe property located at 400 West Sample Street and the Allied Products Corp. property located at 601 West Broadway Street. Cumulatively, these properties make up Area A.

The above properties have been historically used as a lumber yard and in the manufacturing and supplying parts for the automobile industry. Operations under the Studebaker Corporation began as early as 1927 and consisted of a foundry and manufacturing facilities. During subsequent years, numerous buildings were added to the Facility. Operations of the properties,

apparently ceased in the early 1960's and the majority was subdivided and sold to Mr. Jay Huckins, ARG Corporation (South Bend Lathe), Allied Products Corporation, and Cummins Engine Co, Inc.

Based on the Phase I ESA Report, the following RECs were revealed:

RECOGNIZED ENVIRONMENTAL CONDITIONS

| REC | REC ITEM | POTENTIAL CHEMICALS OF CONCERN |
|--|---|---|
| <i>Huckins Tool & Die Property (Property A)</i> | | |
| A1 | 10,000-gallon UST reportedly stored oil was located on the north portion of the Huckins Tool & Die property | Total petroleum hydrocarbons (TPH), volatile organic compounds (VOCs) |
| A2 | Drywell located north of the Huckins building | VOCs, semivolatile organic compounds (SVOCs), TPH, metals |
| A3 | 10,000-gallon UST reportedly stored oil was located near the exterior northeast corner of the Huckins Tool & Die building | TPH, VOCs |
| A4 | Drywell located east of the east building addition | VOCs, SVOCs, TPH, metals |
| A5 | Dust collector and metal shavings located at the exterior southwest corner of the east building addition | metals, VOCs |
| A6 | 5,000-gallon UST reportedly stored gasoline is located east of the south portion of the building | TPH, VOC, lead |
| A7 | Former hydraulic lift located centrally in the Huckins Tool & Die building | TPH, VOCs, PCBs |
| A8 | Former rails located on the east portion of the property | metals, SVOCs |
| <i>Underground Pipe & Valve Property (Property B)</i> | | |
| B1 | 500-gallon UST reportedly stored gasoline, located north of the west portion of the main building | TPH, VOCs, lead |
| B2 | 10,000-gallon UST reportedly stored fuel oil, located north of the east portion of the main building | TPH, VOCs |
| B3 | Three, 10,000-gallon core oil tanks located north of the east portion of the main building | TPH, VOCs |
| B4 | A pit with a steel-plate cover located northwest of the former pumphouse | TPH, VOCs, SVOCs |
| B5 | Former rails located on the east and north portions of the property | metals, SVOCs |
| B6 | Two outfalls from the direction of the facility to the reservoir located on the southwest portion of the property | metals, VOCs, SVOCs |
| B7 | Half-buried metal structure (potential tank) located in the east wall of the reservoir | VOCs, TPH, lead |
| B8 | Numerous pits located inside the foundry filled with wood and metal debris | VOCs, SVOC, s metals |

| REC | REC ITEM | POTENTIAL CHEMICALS OF CONCERN |
|--|--|--------------------------------|
| <i>Underground Pipe & Valve Property (Property B) (cont.)</i> | | |
| B9 | Bins with sand and potential historic coke pits located at the eastern portion of the Underground Pipe & Valve building | metals, VOCs, SVOCs, TPH |
| B10 | Four historic ASTs located at the south end of the Underground Pipe & Valve building | metals, VOCs, SVOCs, TPH |
| <i>South Bend Lathe (Property C)</i> | | |
| C1 | 2 5,000-gallon USTs with unknown contents located east of the southern portion of the building | VOCs, SVOCs, metals, TPH |
| C2 | 3,000-gallon gasoline tank located south of the Engineering Building | VOCs, SVOCs, TPH, lead |
| C3 | 2 8,000-gallon USTs of unknown contents located south of the Engineering Building | VOCs, SVOCs, metals, TPH |
| C4 | 2 5,000-gallon USTs reportedly containing motor oil, located south of the eastern portion of the building | VOCs, SVOCs, TPH |
| C5 | 20,000-gallon UST reportedly containing fuel oil, located north of the AEP property | VOCs, SVOCs, TPH |
| C6 | 2 20,000-gallon USTs reportedly containing fuel oil, located west of the AEP property | VOCs, SVOCs, TPH |
| C7 | Heavy oil staining by the trash bin containing metal shavings and associated catch basin | VOCs, SVOCs, metals, TPH |
| C8 | Oil staining by the wood bins located east of the chip house on the south side of the main building and associated catch basin | VOCs, SVOCs, metals, TPH |
| C9 | Areas of stressed vegetation and bare soil located between the AEP property and the metal storage building | VOCs, SVOCs, metals, TPH |
| C10 | 6,000-gallon UST reportedly containing waste oil, located south of the west portion of the building | VOCs, SVOCs, TPH |
| C11 | Former rails located on the west and east portions of the property | metals, SVOCs |
| C12 | Pit located in the heat treat room located in the south portion of the main building | VOCs, SVOCs, metals |
| C13 | Potential releases from PCB-containing transformers located in the building | PCBs |
| <i>Allied Products Corporation Property (Property D)</i> | | |
| D1 | 20,000-gallon UST reportedly containing heating oil located near the northwest corner of Building 78 | VOCs, SVOCs, TPH |
| D2 | Potential UST of unknown size and contents located south of Building 78 approximately 130 ft. west of the southeast corner of the building | VOCs, SVOCs, metals, TPH |
| D3 | 10,000-gallon enamel reducer tank (removed), located on the northeast portion of the property | VOCs, SVOCs, TPH |
| D4 | Former and current rails located on the property | metals and SVOCs |
| D5 | 6,000-gallon enamel reducer tank, located west of the south end of Building 79 | VOCs, SVOCs, TPH |

| REC | REC ITEM | POTENTIAL CHEMICALS OF CONCERN |
|---|---|--------------------------------|
| Allied Products Corporation Property (Property D)(cont.) | | |
| D6 | Tank farm formerly comprised ten USTs reportedly containing gasoline and kerosene | VOCs, SVOCs, TPH, lead |
| D7 | Catch basin with an oily sheen located west of Building 80 | VOCs, TPH |
| D8 | 4 4,000-gallon USTs reportedly containing trichloroethene and fuel oil locate west of Building 86 | VOCs, SVOCs, TPH |
| D9 | 5,000-gallon UST reportedly containing gasoline, located east of the central portion of Building 86 | VOCs, SVOCs, TPH, lead |
| D10 | 5,000-gallon UST reportedly containing diesel fuel, located east of Building 93 | VOCs, SVOCs, TPH |
| D11 | Potential releases from PCB-containing transformers | PCBs |
| D12 | Press pits with petroleum product located inside building 80 | VOCs, TPH, metals |
| D13 | Oil change pit located near the northeast corner of Building 93 | VOCs, TPH |
| D14 | Former die wash area located at the south end of Building 142 | VOCs, TPH, SVOCs |
| D15 | Press pits with petroleum product located in Building 142 | VOCs, TPH, SVOCs |
| D16 | Press pits with petroleum product located in Building 86 | VOCs, TPH, SVOCs |
| D17 | Three potential drywells located in the southern portion of Building 79. | VOCs, TPH, SVOCs, metals |
| D18 | Potential releases from ASTs and 55-gallon drums located south of Building 93. | VOCs, TPH, SVOCs |
| D19 | Potential releases from ASTs that were historically located at the south end of Building 93. | VOCs, SVOCs |

The locations of these RECs and other pertinent Site features and property usage are shown on Figure 2. A detailed description of the Site history and background is presented in the Phase I ESA (Hull document #SBI002.100.0001).

1.3 Previous Environmental Site Assessments

A number of Phase I and II ESAs have been completed on Area A and adjacent properties. These investigations were reviewed as part of the Phase I ESA. It should be noted that the reviewed information is not a complete package of previous studies performed at Area A. The provided previous investigation information is discussed below. A copy of the reviewed previous reports is provided in Appendix L of the Phase I ESA.

An "Interim Phase I Environmental Site Assessment" for the Studebaker Corridor, prepared by ATEC (September 21, 1990) was reviewed for the Assessment. The report discussed the area to the east of the Site. The report states that eight USTs containing petroleum, kerosene and fuel oil are located at the Allied Products Corp. property. The report also cited the Michiana Area Council of Governments, stating that several potential sites impacting groundwater south and east of the Site include South Bend Auto Parts, Bush Auto Salvage, Steve and Jean's Junk Yard and AM General LTV. Based on the Phase I information, an initial Phase II Study was performed under a separate cover at Lot One Site, which refers to the previous Avanti Manufacturing Plant located north of the Site where Franklin Street dead-ends into Sample Street (presently the site of the new County Detention Center). This report is discussed below.

The "Initial Phase II Final Report" for the Lot One Studebaker Corridor, prepared by ATEC in March of 1991, was reviewed for the Phase I ESA. Four groundwater-monitoring wells (MW-1 through MW-4) were installed near a U-shaped building located on the northern portion of the property. The locations of these wells are shown on Figure 3 of the report. One well was installed south and west of the U-shaped building and three wells were installed north of the U-shaped building. Soil samples were collected during the installation of the monitoring wells and were sent to a laboratory for analysis. Partial laboratory results for total heavy metals were included in the provided information. The report indicates that barium, chromium and lead were detected in the soil samples. The highest concentration of barium was detected at MW-3 at 6.7 mg/kg (depth of 23.5 to 25.0 ft. below ground surface (bgs)). The highest concentration of chromium was detected at MW-4 at 5.8 mg/kg (depth of 21.0 to 22.5 ft. bgs). The highest concentration of lead was detected in MW-1 at 3.5 mg/kg (depth of 23.5 to 25.0 ft. bgs). Groundwater samples were also collected from the monitoring wells. Partial laboratory results for volatile organic compounds (VOCs) were included in the provided information. Four compounds were listed in the report. The highest concentration of trans-1,2-dichloroethene (trans-1,2-DCE) was detected in MW-2 at 37 ug/L. The highest concentration of 1,1,1-trichloroethane (1,1,1-TCA) was detected in MW-3 at 10 ug/L. The highest concentration of trichloroethene (TCE) was detected in MW-2 at <5 ug/L. The highest concentration of tetrachloroethene (PCE) was detected in MW-2 at 10 ug/L. Soil boring logs were also included in the provided information for the Lot 1 Phase II Study.

A report titled "Environmental Investigation South Bend Lathe" was prepared by EIS Environmental Engineers, Inc. in July of 1992. Only portions of this report were received for this Assessment. This report was prepared to address potential impact to soil and groundwater from five USTs and an associated fuel oil piping track and to analyze possible asbestos-containing roofing materials. Four of the USTs investigated are located on the south side of the South Bend Lathe building near the chip house. The remaining UST is located at the east portion of the South Bend Lathe property, south of the Engineering Building. The approximate locations of these USTs are shown on Figure 2. According to the report, eight borings were installed near the five tanks and soil and groundwater samples were collected from each boring location and were submitted to a laboratory. The report states that soil samples were analyzed only for total petroleum hydrocarbons (TPH), groundwater samples were analyzed for TPH and VOCs. The report also states that 24 samples of potential asbestos-containing roofing material were collected for analysis.

Borings 1 and 2 (B-1 and B-2) were installed near the waste oil UST located approximately 135 ft. east of the southwest corner of the South Bend Lathe building. The higher concentration of TPH in soil from these two borings is 10,400 mg/kg from B-2 at a depth of 16.5 to 18 ft. bgs. The higher concentration of TPH in groundwater is 124 mg/L from B-2. Xylenes were detected in B-2 at 0.013 mg/L and 1,1-DCA was detected in B-1 at 2.9 ug/L. The following chemicals of concern (COCs) were detected in B-2; p-isopropyltoluene was detected at 24 ug/L, naphthalene was detected at 20 ug/L, 1,2,4-trimethylbenzene was detected at 125 ug/L, 1,3,5-trimethylbenzene was detected at 40 ug/L and xylenes were detected at 12.5 ug/L.

Borings 3 and 4 (B-3 and B-4) were installed near a 20,000-gallon fuel oil UST located southwest of the chip house on the south side of the South Bend Lathe building. TPH and benzene, toluene, ethylbenzene, and xylenes (BTEX) results were below the laboratory's detection limit. The higher concentration of 1,1-DCA was collected from B-3 at 2.0 ug/L. The higher concentration of cis-1,2-DCE was collected from B-3 at 4.6 ug/L. The higher concentration of 1,1,1-TCA was collected from B-3 at 3.1 ug/L and the higher concentration of TCE was collected from B-3 at 15 ug/L.

Boring 5 was installed north of the piping track and east of the previously mentioned chip house. Two soil samples were submitted from B-5 for TPH. One sample was collected 1.5 to 3.0 ft. bgs (2,550 mg/kg) and one sample was collected 16.5 to 18.0 ft. bgs (112 mg/kg). Groundwater

analysis results from B-5 include the following; TPH at 0.44 mg/L, toluene at 0.010 mg/L, xylenes at 0.008 mg/L, 1,1-DCA at 1.5 ug/L, cis-1,2-dichloroethene (cis-1,2-DCE) at 3.5 ug/L, 1,1,1-TCA at 1.4 ug/L and TCE at 11 ug/L.

Borings 6 and 7 (B-6 and B-7) were installed near a 20,000-gallon fuel oil UST located approximately 105 ft. east of the chip house on the south side of South Bend Lathe. TPH and BTEX results of the soil and groundwater samples were below the laboratory's detection limit. Remaining VOC analytical information was either not provided or was not included in the parameter list for analysis.

Boring 8 was installed near 5,000-gallon gasoline UST located on the South Bend Lathe property, approximately 60 ft. south of the Engineering Building. The only result above the laboratory's detection limit for the soil and groundwater collected from B-8 is TPH in groundwater at 0.59 mg/L. Remaining VOC analytical information was either not provided or was not included in the parameter list for analysis.

A report titled "Site Remediation, 10,000-Gallon Underground Storage Tank, 32,000-gallon Cistern" was prepared by Warner & Sons, Inc. in June of 1993 and was reviewed for this Assessment. The report states that during demolition of the Avanti building located north of Area A, a 10,000-gallon heating oil UST and a large cistern with obviously contaminated materials were encountered. The UST was removed in December of 1992 and approximately 200 cubic yards of impacted soil was excavated from near the UST. The UST reportedly stored heating oil. Less than 50 gallons of sludge were removed from the tank prior to the tank's removal. Five confirmation soil samples were collected following the removal of the UST. The samples were submitted to a laboratory and analyzed for TPH. One sample resulted in a TPH concentration of 14 PPM and the other four samples were below the laboratory's detection limit. The impacted soil was disposed of as special waste at Prairie View Landfill on April 20, 1993. An approximately 32,000-gallon cistern, located at the Avanti property, was discovered during demolition operations. A dark, oily, aqueous solution was observed in the cistern. The source of the material is unknown. On December 2, 3, and 4, 1992 and on April 20 and 22, 1993, a total of 20,432 gallons of the material were removed from the cistern and disposed of at SER Oil Services. A sample of the material was collected and analyzed for TPH, ignitability, paint filter testing, TCLP volatiles and semivolatiles, total PCBs, reactivity, cyanide, total phenolics, pH, and TCLP metals. A TPH concentration of 190,000 PPM, a barium concentration of 9.0 mg/L, a

cadmium concentration of 0.15 mg/L and a lead concentration of 1.4 mg/L were detected in the sample. The concrete material associated with the cistern was also sampled prior to removal. The material was found to be a special waste and was disposed of at Prairie View Landfill on April 20 and 21, 1993. No visual impact was detected in soils adjacent to the cistern.

A letter prepared by APT in April of 1994 was reviewed for this Assessment. The letter was prepared for IDEM concerning a historic release from the four USTs located on the west end of Building 86 on the Allied Products Corp. property. The report indicates that, during the closure in-place of four USTs, Allied temporarily stored fuel oil and Studebaker reportedly used to store solvents. Soil samples were therefore collected near the USTs. These samples were submitted to a laboratory for TPH and VOC analysis. Results indicated elevated concentrations of PCE in soil near the tank. The report also indicated that no product was located in the tank prior to closure activities. The report states that IDEM incident number 94031118 was issued for the incident. No further action regarding remediation activities is stated in the letter.

A report titled "Site Investigation Report," prepared by APT in May of 1995 was reviewed for this Assessment. A portion of the report was received from the City of South Bend; however, this copy of the report did not include figures that showed the locations of the USTs that were removed from the Site (as discussed below), nor did it contain the majority of laboratory data from the on-Site investigations. A copy of what is believed to be the full report was received from IDEM on January 18, 2001. A review of the report and associated figures and laboratory data follows.

The report discusses potential releases associated with seventeen UST systems. Thirteen of the tanks were reportedly closed by Petroleum Equipment, Inc. during June 1989 to October 1991 and the remaining four tanks were closed by APT in March 1994. Ten USTs were reportedly removed from a tank farm located between Building 86 and 79. The tank farm consisted of six-10,000-gallon tanks, one-8,000-gallon tank, and three-12,000-gallon tanks that reportedly stored gasoline, kerosene and heating oil prior to closures. However, based on the age of the USTs the tanks may have stored several different materials in their lifetime. Soil samples were collected near the USTs and were sent to a laboratory and analyzed for TPH. The report stated that, based on the results of these samples, a release did not occur from this UST system. The report also stated that groundwater was not sampled in this area since it was not encountered during the UST excavation.

One 5,000-gallon UST, which was reportedly used to store gasoline, was located approximately midway along the outside of the east wall of the east building (Building 86). The report does not indicate if the tank was removed or closed in-place. Soil samples were collected near the UST and were sent to a laboratory for TPH analysis. Sample results indicated that releases had occurred from the UST and, therefore, soil was overexcavated and disposed of. Groundwater was not sampled at this time because it was not encountered during tank closure. The report does not state whether confirmatory samples were collected following excavation.

One 20,000-gallon UST that reportedly stored heating oil prior to its closure was located near the northwest corner of the west building (Building 86). The tank was abandoned in-place and soil samples were collected near the tank and sent to a laboratory for TPH analysis. It is not stated how many samples were collected; however, the report did state that two of the soil samples exhibited concentrations of TPH at 62 mg/kg and at 17 mg/kg. No remedial action was discussed in association with this tank. Groundwater was not sampled at this time because it was not encountered during tank closure.

According to the report, a 10,000-gallon UST that reportedly stored mineral spirits and kerosene was removed from the Site in October of 1991. The tank was located north of the east building. Strong petroleum odors were noted during the excavation of the UST. Soil samples were collected and sent to a laboratory for TPH and VOC analysis. A sample collected from the soil stockpile produced during the excavation exhibited a TPH concentration of 6,300 mg/kg and a soil sample collected from the floor of the excavation exhibited a TPH concentration of 31 mg/kg and a 1,2,4-trimethylbenzene concentration of 1,052 ug/kg. 2,264 cubic yards of soil near the tank was excavated, bioremediated, and returned to the excavation after concentrations of constituents were below the detection limit.

Four 4,000-gallon USTs historically containing PCE and fuel oil at different times of their operational use were closed in 1994. One monitoring well was installed near the tanks and one sample analyzed from the monitoring well indicated a release of PCE from the UST. The report also states that soil samples collected near the UST system confirmed a release of material with concentration of PCE and TPH. Table 1 through Table 3 in the report lists the parameter and the concentration of the respective COC. A narrative of the tables is provided below.

Samples were collected from the sidewalls and bottoms of the tank excavations and were analyzed for TPH diesel range organics (TPH-DRO). The laboratory's lower detection limit in these samples ranged from 10 mg/kg to 5,000 mg/kg. Five of the sample results were above the laboratory's detection limit. Sample T4-SSE (Tank 4 south side, east end) analysis resulted in a TPH-DRO concentration of 2,300 mg/kg. Sample T4-SSW (Tank 4 south side, west end) analysis resulted in a TPH-DRO concentration of 11 mg/kg. Sample T4-WE (Tank 4, west end) analysis resulted in a TPH-DRO concentration of 11 mg/kg. Sample T3-WE (Tank 3, west end) analysis resulted in a TPH-DRO concentration of 11 mg/kg. Sample T4-NSW (Tank 4 north side, west end) analysis resulted in a TPH-DRO concentration of 3,600 mg/kg.

Samples were collected from the sidewalls and bottoms of the tank excavations and were analyzed for VOCs. Acetone was detected in the samples collected from Tanks 1, 2, 3 and 4. The highest concentration of acetone detected was from sample T1-SSE (Tank 1 south side, east end) at 1,000 ug/kg. Acetone was also detected in the laboratory blank indicating that the acetone concentrations may be due to a laboratory contaminant. Acetone is a typical laboratory contaminant. 2-butanone was detected in samples collected from Tanks 1, 2, 3 and 4. The highest concentration of 2-butanone detected was from sample T3-NSE (Tank 3-north side, east end) at 34 ug/kg. Carbon disulfide was detected in one sample collected from Tank 4. The concentration of carbon disulfide detected was from sample T4-NSE (Tank 4-north side, east end) at 2.7 ug/kg. 1,2-dichloroethene (1,2-DCE) was detected in samples collected from Tanks 3 and 4. The highest concentration of 1,2-DCE detected was from sample T3-EE (Tank 3- east end) at 8.7 ug/kg. Ethylbenzene was detected in samples collected from Tanks 3 and 4. The highest concentration of ethylbenzene detected was from sample T4-NSE (Tank 4- north side, east end) at 6.1 ug/kg. 2-hexanone was detected in one sample collected from Tank 4. The concentration of 2-hexanone detected was from sample T4-BE (Tank 4- bottom, east end) at 12 ug/kg. Methylene chloride was detected in samples collected from Tanks 1, 2, 3 and 4. The highest concentration of methylene chloride detected was from sample T3-NSE (Tank 3- north side, east end) at 17 ug/kg. 1,1,2,2-tetrachloroethane was detected in one sample collected from Tank 1. The concentration of 1,1,2,2-TCA detected was from sample T1-SSE (Tank 1- south side, east end) at 610 ug/kg. PCE was detected in samples collected from Tanks 1,2,3 and 4. The highest concentration of PCE detected was from sample T2-SSE (Tank 2- south side, east end) at 72,000 ug/kg. Toluene was detected in samples collected from Tanks 3 and 4. The highest concentration of toluene detected was from sample T4-NSE (Tank 4- north side, east end) at 7 ug/kg. TCE was detected in samples collected from Tanks 3 and 4. The highest

concentration of toluene detected was from sample T3-EE (Tank 3- east end) at 6.8 ug/kg. Total xylenes were detected in samples collected from Tanks 3 and 4. The highest concentration of xylenes detected was from sample T4-NSE (Tank 4- north side, east end) at 24 ug/kg. No other VOCs were detected above the laboratory's detection limit.

Samples were collected from the sidewalls and bottoms of the tank excavations and were analyzed for semivolatile organic compounds (SVOCs). Benzo (a) pyrene was detected in one sample collected from Tank 1 (T1-NSW-north side, west end) at 59 ug/kg. Benzo (b) fluoranthene was detected in one sample collected from Tank 1 (T1-NSW-north side, west end) at 94 ug/kg. Benzo(ghi)perylene was detected in one sample collected from Tank 1 (T1-NSW-north side, west end) at 55 ug/kg. Benzo (k) fluoranthene was detected in one sample collected from Tank 1 (T1-NSW-north side, west end) at 53 ug/kg. Bis(2-ethylhexyl)phthalate was detected in samples collected from Tanks 1 and 4. The highest concentration of bis(2-ethylhexyl)phthalate detected was from sample T4-BW (Tank 4- bottom, west end) at 2,900 ug/kg. Carbazole was detected in one sample collected from Tank 1 (T1-NSW-north side, west end) at 35 ug/kg. Chrysene was detected in samples collected from Tanks 1 and 3. The highest concentration of chrysene detected was from sample T3-NSE (Tank 3- north side, east end) at 930 ug/kg. Di-n-butyl phthalate was detected in samples collected from Tanks 1, 2, 3 and 4. The highest concentration of di-n-butyl phthalate detected was from sample T3-NSW (Tank 3- north side, west end) at 480 ug/kg. Diethyl phthalate was detected in one sample collected from Tank 2 (T2-SS-south side) at 42 ug/kg. Fluoranthene was detected in one sample collected from Tank 1 (T1-NSW-north side, west end) at 160 ug/kg. Indeno (1,2,3-cd) pyrene was detected in one sample collected from Tank 1 (T1-NSW-north side, west end) at 53 ug/kg. Phenathrene was detected in samples collected from Tanks 1, 3 and 4. The highest concentration of phenathrene detected was from sample T4-SSE (Tank 4- south side, east end) at 2,100 ug/kg. Pyrene was detected in samples collected from Tanks 1 and 3. The highest concentration of pyrene detected was from sample T3-NSE (Tank 3- north side, east end) at 670 ug/kg. No other SVOCs were detected above the laboratory's detection limit.

The report also discusses the hydrogeology of the area, stating that, according to referenced materials, there is a shallow, unconfined aquifer located approximately 25 ft. bgs and a generally confined deep aquifer located approximately 100 ft. bgs. The report states that based

on on-Site investigations, a single, unconfined aquifer underlies the facility from ground surface to approximately 76 ft. bgs, followed by a 37 ft. thick interval consisting of interbedded till and sand/gravel units down to bedrock, which occurs at approximately 113 ft. bgs.

As part of the Phase II investigation performed at the Allied Products Corp. property, 24 shallow monitoring wells, 17 deep monitoring wells and nine soil borings were installed on the property. Shallow wells were screened at the water table (approximately 25 ft. bgs) and deep wells were screened at approximately 40-45 ft. bgs at a stained interval identified during previous investigations.

A summary of the soil analysis results follows:

1. six of the 71 soil samples analyzed for TPH exceeded the IDEM LUST cleanup objective of 100mg/kg¹, the highest of which was 39,000 mg/kg in MW1D at 38 ft. bgs; the remaining exceedences were 930 mg/kg (MW-2 at 21 ft. bgs), 320 mg/kg (MW-7 at 40 ft. bgs), 290 mg/kg (MW20D at 42 ft. bgs), 2,300 mg/kg (T4-SSE) and 3,600 mg/kg (T4-NSW);
2. VOCs were detected in 46 of the 47 soil samples collected and two VOC constituents were detected in concentration that exceeded the VRP Tier II cleanup objectives². The PCE cleanup objective of 8,010 ug/kg was exceeded in six samples, and the 1,1,2,2-tetrachloroethane cleanup objective of 210 ug/kg was exceeded in one of the samples; and,
3. none of the 73 soil samples analyzed for SVOCs exceeded the IDEM LUST nor the VRP Tier II cleanup objectives.

A summary of the groundwater analysis results follows:

1. thirty-four of the 68-groundwater samples were analyzed for TPH and the 18 samples that exhibited concentrations of TPH were above the IDEM LUST cleanup objective of 100/ug/L³. These samples were collected from MW-E, MW-2, MW-3, MW-4, MW-12, MW-7, MW-23S, MW-13S, MW-13D, MW-15S, MW-15D, MW-11D, MW-16D, MW-18D, MW-20D, MW-22;

¹ Note that the LUST program developed under RISC does not include a default closure level for TPH.

² These concentrations also exceed RISC Commercial /Industrial default closure levels for soil.

³ See footnote #1.

2. forty of the 43-groundwater samples analyzed for VOCs exhibited concentrations of one or more VOCs. Two constituents of VOCs were detected in concentrations that exceeded the VRP Tier II cleanup criteria⁴. PCE was detected at concentrations that exceeded this criteria in eight samples (MW-1, MW-2, MW-6, MW-13-GW1, MW13D-GW1, MW-15D-GW1, and MW15-GW2). Vinyl chloride was detected in MW17S-GW1 that exceeded the cleanup criteria of 10ug/L. The concentration of this sample was not provided; and,
3. twenty-one of the 26 groundwater samples analyzed for SVOCs exhibited concentrations of one or more SVOC. Two SVOC constituents were detected in concentrations that exceeded the VRP Tier II cleanup criteria⁴. Bis(ethylhexyl)phthalate was detected at a concentration of 300 ug/L. APT stated that they believe this is a laboratory contaminant. Pentachlorophenol was detected in MW-3 at a concentration of 82 ug/L. This well was then resampled and Pentachlorophenol was not detected.

A portion of a Phase II report prepared by EIS Environmental Engineers, Inc. was made available for review for this Assessment. The report was prepared in August of 1995 and includes two figures. The first figure shows groundwater flow on the properties east of the Site to be towards the northeast. The second figure shows groundwater analytical results of monitoring wells installed off-Site northeast of the Site properties. Elevated concentrations of PCE and TCE were detected in the closest downgradient well to the Site.

A letter prepared by ATEC Associates, Inc. in January of 1996 summarizes the findings of the APT report that was prepared in 1995. It is likely that this is the same report that was reviewed for this Assessment and is summarized previously in this report.

A letter report provided for review included an April 1998 letter prepared by EIS Environmental Engineers, Inc. The cover letter includes a brief narrative describing groundwater sampling and analysis and well abandonment at the Avanti facility, a summary of analytical results, laboratory analytical results, the chain-of-custody for the samples, field sampling forms, and IDNR water well records documenting well abandonment. The letter stated that three of the four wells located on the Avanti property were abandoned and the fourth well was not located. The wells were installed by ATEC in November 1990. Sampling conducted prior to well abandonment indicates that VOCs in the submitted samples were below the laboratory's detectable limit. VOCs was the only parameter analyzed. Field forms for wells 1 and 2 indicate an odor was

⁴ These concentrations also exceed RISC Commercial/Industrial default closure levels for groundwater.

detected during the well abandonment. The type of odor was not specified. One figure was included that showed the location of monitoring wells on the Avanti property located north of Area A.

A report prepared by Grauvogel & Associates in April of 2000 was reviewed for this Assessment. The report discusses the removal of three USTs and the closure in-place of one UST on the Engineering Building property located adjacent to the west of South Bend Lathe and northeast of Allied Products. Two 8,000-gallon USTs and one 5,000-gallon UST that historically stored gasoline were removed from the property in January of 2000. One 1,500-gallon UST that historically stored, at different periods, lubrication oil and mineral spirits. The 1,500-gallon UST was reportedly closed in-place due to its close proximity to a building foundation. No visual signs of leakage were noted near any of the tanks during excavation. The excavated tanks were observed for corroded areas where product might have escaped the tank. No such areas were noted. Approximately 150 gallons of mineral spirits were removed from the 1,500-gallon UST prior to closure. Approximately 1,120 gallons of water was removed from one of the 8,000-gallon USTs and approximately 8,000 gallons of water with trace gasoline was removed from the other 8,000-gallon UST prior to removal. Approximately 5,000 gallons of water with trace gasoline was removed from the 5,000-gallon UST prior to removal. One excavation was created to remove the two 8,000-gallon USTs and to expose the 1,500-gallon UST (east excavation) and another excavation was created to remove the 5,000-gallon UST (west excavation). Groundwater was not encountered during excavation. Soil samples were collected from both excavations. Soil samples from the east excavation were analyzed for lead and TPH. The highest result of lead was collected from the north portion of the west wall at 119 mg/kg. All TPH results were below the laboratory's detectable limit of 20 mg/kg. All TPH results from the west excavation were below the laboratory's detectable limit of 20 mg/kg. Five samples of the excavated soil was collected and found to be below the laboratory's detectable limit of 20 mg/kg. The excavated soil was returned to the excavation and additional backfill was brought in to return the excavations to grade. One sample was collected from the additional fill material required and was found to be below the laboratory's detectable limit of 20 mg/kg. Additional sampling is recommended for the area of the closed USTs to address the potential for the presence of VOCs and SVOCs.

2.0 STATEMENT OF WORK

2.1 Phase II Environmental Site Assessment Work Plan

The statement of work and objectives of the Phase II ESA are presented in the Work Plan and Field Sampling and Analysis Plan for a Phase II ESA (Hull Document #SBI002.100.0003) that was prepared for the City prior to the initiation of field activities. This work plan contained descriptions of the sampling rationale and methods for soil and groundwater investigation during the Phase II ESA.

The Work Plan assumed that environmental data collected as part of the assessment will be compared with Indiana RISC default closure levels. It is Hull's understanding that the Site will be developed for a future commercial/Industrial land use. RISC default closure levels for soils have therefore been considered to be applicable to commercial and industrial land use assumptions. Groundwater analytical data have been compared with closure levels assuming both commercial/industrial and residential land uses. Residential closure levels have been included in the evaluation as the downgradient extent of the COC has not been determined at the time this report was completed. Additional data collected downgradient of the Site would support the determination of applicable closure levels for the off-Site receptors.

2.2 Site-Specific Health and Safety Plan

Prior to initiation of the Phase II ESA field activities, Hull prepared a Health and Safety Plan (Hull Document #SBI001.100.0010) in general conformance with IDEM's Site Safety Plan requirements.

2.3 Quality Assurance Project Plan

The field work was performed consistent with U.S. EPA Region V requirements, the Indiana Department of Environmental Management's (IDEM's) VRP Program, and the U.S. EPA-approved Quality Assurance Project Plan (QAPP) dated August 2001 (Hull Document # SBI002.300.0008).

3.0 SITE CHARACTERIZATION INVESTIGATION

3.1 Baseline Ecological Assessment

The Site is located within the City of South Bend corporate limits in an urban (commercialized and residential) area. The storm water runoff for Area A is largely controlled by the Site's internal drainage system. Storm water collected by this system is then diverted to the City's combined sanitary and storm sewer system. An apparent retention basin that is located west of the building at the former Studebaker foundry (currently Underground Pipe & Valve – Property B). Based on observations during the Phase I and II ESA, it appears that this basin is used to management storm water from the roof drain system of the foundry. The nearest surface water body is the St. Joseph River, which is located approximately 1.5 miles northeast of the Site. Based on moderate concentrations of the COC in the subsurface and groundwater at the Site, the potential threat to aquatic wildlife and the river is limited.

There are no wetland areas, riparian areas, or other environmentally sensitive areas on, or adjacent to the Site. The locations of floodplain and wetland areas are described and mapped in the Phase I ESA Report. Environmental conditions at the Site do not appear to represent a threat to the local wildlife or potential endangered species.

3.2 Background Concentrations

Hull did not establish background concentrations for soils given the fact that risk-based cleanup goals were available for comparison to sampling data and considering that past industrial activities over most of the surrounding areas. As described in section 3.4, concentrations of the COCs in soil are evaluated based on RISC default closure levels consistent with the intended final use of the Site.

Hull evaluated background concentrations for groundwater based on the analytical results from an upgradient monitoring well. These analytical data, as described in section 3.5, are used to evaluate if the detected concentrations in on-Site wells are from releases on-Site, or are the result of migration onto the Site from on upgradient source.

3.3 Background Hydrogeologic Assessment

The Site is located along the southern edge of the Michigan Basin and northeast of the Kankakee Arch that separates the Illinois and Michigan Basins. The surface and near-surface

geology is part of the Kankakee Lowland. This area is characterized by fine-grained Holocene alluvium overlying the outwash sand and gravel deposit, which in turn overlies lacustrine silty clay materials. These unconsolidated materials are approximately 20 to 400 ft. thick, overlying the Devonian Age Ellsworth Shale. The Ellsworth Shale is described as predominantly green marine shale.

The Site lies above the St. Joseph Aquifer System, a highly productive aquifer capable of yielding greater than 250 gallons per minute. The St. Joseph Aquifer System is primarily composed of fine to medium sand with layers of sand and gravel. These granular deposits range in thickness from 20 to 400 ft. Groundwater is typically encountered at depths ranging from 15 to 75 ft. bgs. The regional groundwater flow within the aquifer system is to the northeast at a hydraulic gradient of 0.005 ft/ft and generally follows the surface topographic expression. The St. Joseph River appears to be the local discharge area for groundwater. Recharge to the aquifer system is primarily through the vertical percolation of the rain through the highly permeable subsurface. Therefore, the aquifer would be highly susceptible to releases of contaminants at the surface.

According to reviewed publications, thin (3 to 5 ft. thick) silty clay layers are interspersed within the aquifer and moderately thick deposit of the glacial tills separate the upper sand and gravel aquifer from the lower more productive sand and gravel aquifer. Based upon review of available information, there are no faults beneath, or within the vicinity of the Site.

Geologic information obtained from continuously sampled soil borings and monitoring wells indicate that subsurface soils and the aquifer consist of predominantly medium sand with secondary percentages of gravel and fines (clay and silt). Groundwater in the aquifer was encountered at depth ranging from approximately 20 to 27 ft. bgs. Beneath the aquifer unit, a low permeability layer unit was encountered at a number of deep monitoring well locations. Where present, this unit was encountered at depths ranging from approximately 60 to greater than 120 ft. bgs. In some areas, the unit was described as grey and brown dense sandy silt that was noted as being damp. In other areas, the unit was described as being a dense, grey and brown silty clay with secondary percentage of sand and gravel. Note that this unit was not fully penetrated to preclude creating a pathway to potential lower water bearing zones.

3.4 Phase II Environmental Site Assessment Sampling Methodology

The Phase II ESA was designed to evaluate the concentrations of COCs (in surface and subsurface soils and groundwater) and to characterize the geologic and hydrogeologic conditions beneath the Site. Field activities included the installation of the numerous groundwater monitoring wells and soil borings. The locations of these soil borings and monitoring wells are shown on Figure 3. Selected soil borings and monitoring wells were continuously sampled using 24-inch split-spoon samplers that were decontaminated between each sampling interval. Monitoring wells were installed in boreholes created by advancing 4.25 inch, inside-diameter (ID), hollow stem augers. The wells were constructed of two-inch ID Schedule 40 PVC screen and casing. Soil boring logs and monitoring well construction diagrams are provided in Appendix A. Construction information for the monitoring wells is summarized in Table 1.

As stated in the Initial Phase II ESA work plan, the objectives of the soils investigations were to:

1. evaluate the stratigraphy and textural characteristics of the vadose zone and the unconfined aquifer;
2. collect soil samples and conduct geotechnical analyses to evaluate contaminant transport characteristics;
3. provide initial data to demonstrate the completeness or incompleteness of potential exposure pathways of identified COCs; and,
4. collect soil samples from identified REC areas and additional areas for chemical analyses to evaluate the absence/presence and concentration of COCs.

To address these objectives, continuous sampling was completed at 32 shallow direct-push borings (to a depth of four ft. bgs), five shallow soil borings, and at selected shallow and deep monitoring well locations to characterize the vadose zone stratigraphy and potential exposure pathways. Note that when nested wells were installed, only the deeper of the borings was continuously sampled.

To evaluate the horizontal and vertical extent of COCs in the vadose zone, 98 discrete samples (excluding quality assurance/quality control (QA/QC) samples) were submitted to the analytical laboratory for analyses. In addition, six samples were submitted to a geotechnical laboratory to evaluate the textural composition and physical properties of the unsaturated soils.

The objectives of the groundwater investigation were to:

1. assess the location and stratigraphy of the unconfined aquifer(s) and the presence or absence of confining layers in the unconsolidated material;
2. determine the nature and concentrations of COCs in groundwater;
3. evaluate the groundwater yield and hydraulic characteristics of the unconsolidated aquifer; and,
4. evaluate the general flow direction and gradient of groundwater.

These objectives were achieved by installing 26 shallow monitoring wells, 9 intermediate monitoring wells, and 21 deep monitoring wells. Continuous sampling of the saturated portion of the unconfined aquifer was completed in selected deep monitoring well locations, and at selected intermediate monitoring well locations where no deep monitoring wells were proposed. In addition, continuous sampling of the upper portion of the unconfined aquifer was completed when only a shallow monitoring well was installed.

The newly installed monitoring wells were properly developed in accordance with procedures described in the Initial Phase II ESA Work Plan. Field data sheets for the well development activities are provided in Appendix B.

To determine the extent of COCs in the unconfined aquifer, 72 representative groundwater samples were collected from the newly installed monitoring wells and from selected existing monitoring wells installed by APT, Inc. Field data sheets documenting that the groundwater samples were collected consistent with the procedures in the Work Plan are provided in Appendix C. In conjunction with the groundwater sampling event, static water levels were collected to evaluate horizontal and vertical groundwater flow.

Detailed descriptions of the investigative and sampling rationale, soil and groundwater sampling methods, analytical methods for soil and groundwater, and QA/QC protocols are provided in the Work Plan for a Phase II ESA (Hull Document # SBI002.100.0003) and the QAPP (Hull Document # SBI002.300.0008). This Work Plan was prepared prior to completing the field work for the Initial Phase II ESA. Adherence to the procedures in the Work Plan and QAPP provided for collection of representative soil and groundwater samples.

3.5 Phase II Environmental Site Assessment Results

3.5.1 Sample Analysis Results

Soil

Hull selected at least one representative soil sample from the soil borings and monitoring wells for laboratory analysis based on the results of photoionization detector (PID) headspace screening or by evidence (staining, odors, etc.) of the presence of COCs as observed in the field. If a boring or well did not exhibit any evidence of COCs, Hull submitted the sample from the upper two ft. of the soil column to TestAmerica Laboratories for analysis. In cases where field screening and/or visual observation identified the potential presence of COCs, Hull submitted two soil samples from a boring or well to evaluate the vertical extent of the potential contaminants. In addition to the soil samples, Hull collected trip and field blanks, duplicate samples, and matrix spike/matrix spike duplicate (MS/MSD) samples for submittal to the laboratory as QA/QC measure. During collection, handling, and transportation of these samples, Hull maintained strict chain-of-custody protocols to protect the chemical integrity of the soil samples. Laboratory analytical reports for the soil samples and QA/QC samples along with the chain-of-custody documents are included in Appendix D.

These soil analytical data generated during the course of this investigation were evaluated in accordance with the procedures described in the QAPP. These data were determined to meet the substantive requirements for the precision, accuracy, representativeness, completeness, and comparability (PARCC). An evaluation of field blank (equipment rinseate) samples result indicate that the field decontamination procedures were effective since no target analytes were detected in any of the field blank samples. Similarly, target analytes were not detected in any of the trip blank samples.

Analytical data generated by the subcontracted laboratory were evaluated in accordance with the QAPP. Specifically, laboratory QA/QC samples (i.e., replicates, MS/MSD, calibration checks, etc.) were performed in strict accordance with laboratory's Standard Operating Procedures (SOPs) that were included as Appendix A of the QAPP. Any deviations were clearly indicated in the case narrative for each sample delivery group and the analytical results were qualified as appropriate. Upon receipt, Hull's Quality Assurance Officer reviewed analytical data generated by the laboratory subcontractor prior to distribution. The analytical

reports with case narratives and QC summaries for the soil samples have been included as Appendix D of this report. Level 4 data packages (CLP-like deliverables) were prepared for each sample delivery group and are available upon request.

Tables 2 and 5, summarizes the analytes that were detected above respective method detection limits for the surface soils (i.e., 0 to 0.5 ft. bgs) and subsurface soils (i.e., > 0.5 ft. bgs and above the water table smear zone). In addition, Table 2 provides a summary of applicable RISC commercial/industrial default closure levels. These data are also shown on Figure 4 to illustrate the distribution of COCs that exceed RISC commercial/industrial closure levels. As summarized in Tables 2 and 5, COCs at the Site that exceed RISC Commercial/Industrial default closure levels include:

Metals

1. arsenic;
2. cadmium;
3. chromium; and,
4. lead.

SVOCs

1. benzo(a)anthracene;
2. benzo(a)pyrene;
3. benzo(b)fluoranthene;
4. chrysene;
5. dibenzo(a,h)anthracene; and,
6. indeno(1,2,3-cd)pyrene.

VOCs

1. PCE.

Arsenic was detected in 33 samples at concentrations ranging from 3.4 mg/kg at SB-6 to 114 mg/kg at HA-3. Arsenic exceeded the RISC Commercial/Industrial default closure level of 20 mg/kg at 10 locations with concentrations ranging from 21.4 mg/kg at HMW-22D to 114 mg/kg

at HA-3. Locations where arsenic concentrations exceed closure levels are shown on Figure 4 and are summarized in Table 5. The source of the elevated arsenic concentrations is probably the former railroad spurs and ties.

Cadium was detected in five samples at concentrations ranging from 2.0 mg/kg at GB-19 to 89.2 mg/kg at GB-10. Cadium exceeded the RISC Commercial/Industrial default closure level of 77 mg/kg at GB-10. The location where the cadium concentration exceeds the closure level is shown on Figure 4 and is summarized in Table 5. The source of the elevated cadium concentration is currently unknown.

Chromium was detected in 70 samples at concentrations ranging from 2.8 mg/kg at HMW-19D to 177 mg/kg at GB-12. Chromium exceeded the RISC Commercial/Industrial default closure level of 120 mg/kg only at GB-12 at a concentration of 177 mg/kg. The location where chromium concentration exceeds the closure level is shown on Figure 4 and is summarized in Table 5. The source of the elevated chromium concentration is currently unknown.

Lead was detected at 67 locations at concentrations ranging from 5.9 mg/kg at HMW-6S to 13,600 mg/kg for the duplicate sample at HMW-24D. Lead exceeded or equaled the RISC Commercial/Industrial default closure level of 230 mg/kg at 19 locations with concentrations ranging from 241 mg/kg at HMW-12S to 13,600 mg/kg at HMW-24D. Locations where lead concentrations exceed closure levels are shown on Figure 4 and are summarized in Table 5. The source of the elevated lead concentrations is currently unknown. Possible sources could be residual paint chips that were incorporated into the soil during the demolition of the residents that once occupied this portion of Area A, fugitive dust from foundry operations, or paints used in the automobile manufacturing process.

Benzo(a)anthracene was detected in 33 samples at concentrations ranging from 353 ug/kg at HMW-34S to 29,200 ug/kg at GB-34. Benzo(a)anthracene exceeded the RISC Commercial/Industrial default closure level of 15,000 ug/kg only at GB-34. The location where the benzo(a)anthracene concentration exceeds the closure level is shown on Figure 4 and is summarized in Table 5. The suspected source of the benzo(a)anthracene is likely the railroad ties and cutting oil that occupy Area A. Note that at no single location is the total SVOC concentration greater than 10,000 mg/kg.

Benzo(a)pyrene was detected at 39 locations at concentrations ranging from 195 ug/kg at GB-2 to 30,900 ug/kg at GB-34. Benzo(a)pyrene concentrations exceed the RISC Commercial/Industrial default closure level of 1,500 ug/kg at 12 location at concentrations ranging from 1,610 ug/kg at GB-11 to 30,900 ug/kg at GB-14. Locations where benzo(a)pyrene concentrations exceed closure levels are shown on Figure 4 and are summarized in Table 5. The suspected source of the benzo(a)pyrene is likely the railroad ties and cutting oil that occupy Area A.

Benzo(b)fluoranthene was detected in 35 samples at concentrations ranging from 415 ug/kg at SB-3 to 48,600 ug/kg at GB-34. Benzo(b)fluoranthene concentrations exceed the RISC Commercial/Industrial default closure level of 15,000 ug/kg at GB-10 (16,000 ug/kg) and GB-34 (48,600 ug/kg). Locations where benzo(b)fluoranthene concentrations exceed closure levels are shown on Figure 4 and are summarized in Table 5. The suspected source of the benzo(b)fluoranthene is likely the railroad ties and cutting oil that occupy Area A.

Chrysene was detected in 36 samples at concentrations ranging from 360 ug/kg at GB-33 to 36,900 ug/kg at GB-34. Chrysene exceeded the RISC Commercial/Industrial default closure level of 25,000 ug/kg only at GB-34. The location where the chrysene concentration exceeds the closure level is shown on Figure 4 and is summarized in Table 5. The suspected source of the benzo(a)anthracene is likely the railroad ties and cutting oil that occupy Area A.

Dibenzo(a,h)anthracene was detected in five samples at concentrations ranging from 368 ug/kg at HMW-27S to 2,530 ug/kg at GB-34. Dibenzo(a,h)anthracene exceeds the RISC Commercial/Industrial default closure level of 1,500 ug/kg only at GB-34 (2,530 ug/kg). The locations where dibenzo(a,h)anthracene exceeds closure levels is shown on Figure 4 and is summarized in Table 5. The suspected source of the dibenzo(a,h)anthracene is likely the railroad ties and cutting oil that occupy Area A.

PCE was detected at nine locations at concentrations ranging from 9.7 ug/kg at HMW-18S to 4,740 ug/kg at HMW-9I. PCE exceeds the RISC Commercial/Industrial default closure level of 640 ug/kg only at HMW-9I. In addition, based on Hull's experience modeling volatilization to indoor in soils similar to the soils at Area A, the concentration of PCE at HMW-9I would result in

an unacceptable risk should a build be constructed over this area. The likely source of the PCE is spill from prior part degreasing operations. Note that at no single location is the total VOC concentration greater than 1,000 mg/kg.

Groundwater

The groundwater data generated during the course of this investigation were evaluated in accordance with the procedures described in the QAPP. The data were determined to meet the substantive requirements for the precision, accuracy, representativeness, completeness, and comparability (PARCC). All field measurements were reviewed by the Project Manager or Quality Assurance Officer and any corrections have been clearly documented on the field data sheets that have been included in this report. An evaluation of field blank (equipment rinseate) samples result indicates that the field decontamination procedures were effective since no target analytes were detected in any of the samples. Similarly, target analytes were not detected in any of the trip blank samples.

Analytical data generated by the subcontracted laboratory was evaluated in accordance with the QAPP. Specifically, laboratory QA/QC samples (i.e., replicates, MS/MSD, calibration checks, etc.) were performed in strict accordance with laboratory's SOPs that were included as Appendix A of the QAPP. Any deviations were clearly indicated in the case narrative for each sample delivery group and the analytical results were qualified as appropriate. Upon receipt, Hull's Quality Assurance Officer reviewed analytical data generated by the laboratory subcontractor prior to distribution. The analytical reports with case narratives and QC summaries for the groundwater samples have been included as Appendix E of this report. Level 4 data packages (CLP-like deliverables) were prepared for each sample delivery group and are available upon request.

Following development and purging, Hull collected groundwater samples from 74 monitoring wells. In addition to the groundwater samples, Hull collected trip and field blanks, a duplicate sample, and a MS/MD sample for submittal to the laboratory as a QA/QC measure. During collection, handling, and transportation of these samples, strict chain-of-custody protocols were maintained to protect the chemical integrity of the groundwater samples. Laboratory analytical reports for the groundwater and QA/QC samples along with the chain-of-custody document are included in Appendix E.

Table 3 summarizes the analytical parameters in groundwater that were detected above their respective method detection limit. In addition, Table 3 provides a summary of applicable RISC commercial/industrial and residential default closure levels. Sampling locations exceeding the RISC default closure levels are shown on Figure 5 to illustrate the lateral extent of groundwater above applicable default closure levels. As summarized on Table 3, several analytical results for groundwater are above the applicable land use closure levels.

Arsenic was detected in 22 groundwater sampling locations at concentrations ranging from 5.3 ug/L at HMW-33S to 2,860 ug/L at HMW-19S. Of these locations, arsenic concentrations exceeded both RISC commercial/industrial and residential default closure levels (50 ug/L) at seven locations. Default closure levels were exceeded at HMW-2S, HMW-6S, HMW-19S, HMW-25S through HMW-27S, and HMW-31S. Figure 6 shows the approximate extent of groundwater that exceed commercial/industrial and residential closure levels for arsenic. As shown on Figure 6, there appears to be three separate areas or plumes where arsenic exceeds industrial and residential closure levels. However, it is evident that the arsenic concentrations, above closure levels, are apparently confined to the upper portion of the aquifer.

Barium was detected at 55 groundwater sampling locations at concentrations ranging from 29 ug/L at HMW-4S to 7,030 ug/L at HMW-25S. Of these locations, barium concentrations did not exceed the RISC commercial/industrial default closure levels of 7,200 ug/L. RISC residential default closure levels of 2,000 ug/L were exceeded at two locations. These locations are HMW-19S (3,100 ug/L) and at HMW-25S in the northeast portion of Area A. The locations of the monitoring wells are shown on Figure 5.

Chromium was detected at 14 groundwater sampling locations at concentrations ranging from 8.8 ug/L at HMW-33D to 224 ug/L at HMW-25S. Of these locations, chromium concentrations exceeded the RISC residential default closure level of 100 ug/L at two locations. No groundwater sample exceeded the RISC commercial/industrial default closure level of 310 ug/l. HMW-2S (163 ug/L) is located in the western portion of Property B and at HMW-25S in the northeast portion of Property D. The locations of these monitoring wells are shown on Figure 6.

Lead was detected at 54 groundwater sampling locations at concentrations ranging from 1.1 ug/L at MW-1D to 1,410 ug/L at HMW-25S. The RISC residential default closure level of 15 ug/L was exceeded at 19 locations. The RISC commercial/industrial default closure level for

lead of 42 ug/L was exceeded at 11 locations. Figure 7 shows the approximate extent of groundwater that exceeds commercial/industrial and residential closure levels for lead. As shown on Figure 7, there are several apparently non-contiguous areas or plumes where lead exceeds industrial and residential closure levels, thereby indicating several potential source areas. The majority of the exceedances are concentrated in the southeastern half of Area A. It is also evident that the highest lead concentrations primarily within the upper portion of the aquifer.

One lead plume may originate from the former retention basin located southwest of the Property B building and extend to the northeast. However, as shown on Figure 7, the residential closure level was exceeded in HMW-11 (which is the upgradient well in this area). It is therefore not possible to distinguish whether the former retention basin is the source of the lead or if the lead is migrating onto Area A from an off-Site source. An additional well nest would need to be installed upgradient of the former retention basin to complete this determination. In addition, several monitoring well nests would need to be installed to evaluate the western extent of this lead plume.

A second lead plume appears to have originated from the northern portion of the Huckins Property. Additional monitoring wells would need to be installed to further characterize this plume. A third apparent lead plume appears to be originating from the northeast of the Allied Product Corp. Property. Based on the results of the monitoring wells located north of Sample Street, it appears that this plume is migrating off-Site.

A fourth lead plume appears to have originated from the southwest of the Property D and extended to the northeast. The plume appears to end in the vicinity of monitoring well nest #13, as shown on Figure 7. This plume is apparently confined within Area A boundaries.

The last lead plume appears to have originated from the southeastern portion of Area A, as shown on Figure 7, and may migrate off-Site. Note that since no monitoring wells have been installed upgradient, it is possible to conclude whether the plume originated from an on- or off-Site source. Additional monitoring wells would need to be installed to further characterize the upgradient and downgradient extent of this area.

Mercury was detected at four groundwater sampling locations at concentrations ranging from

0.3 ug/L at HMW-27S to 2.3 ug/L at HMW-25S. Of these locations, the mercury concentration exceeded the RISC residential default closure level of 2 ug/L only at HMW-25S. No groundwater sample exceeded the RISC commercial/industrial default closure level. HMW-25S is located in the northeast portion of Area A, as shown on Figure 5. Note that the detected mercury concentrations are concentrated in the northeast portion of Area A.

PCE was detected at 34 groundwater sampling locations at concentrations ranging from 1.0 ug/L at HMW-28S and HMW-31D to 749 ug/L at HMW-9S. The RISC residential default closure level of 5 ug/L was exceeded at 22 locations primarily in the southeastern half of Area A. The RISC commercial/industrial default closure level of 55 ug/L was exceeded at 12 sampling locations. As shown on Figure 8, the sampling locations that exceed the residential and commercial/industrial default closure level apparently coincide with the axis of the plume that appears to have originated from the southern portion of buildings 86 and 93. Based on the sampling results on the north side of Sample Street, the PCE plume has migrated off-Site. As no VOCs were detected in upgradient monitoring wells MW-8S, MW-8D and MW-30D, it is apparent that the source of PCE is located southeast portion of Area A, as supported by the detection of PCE in unsaturated soil in building 142.

TCE was detected at 35 groundwater sampling locations at concentrations ranging from 1.1 ug/L at MW-11S and MW-11D to 386 ug/L at HMW-13D. The RISC residential default closure level of 5 ug/L was exceeded at 26 locations. The RISC commercial/industrial default closure level of 260 ug/L was exceeded only at HMW-13D, located in the northern portion of building 80.

As shown on Figure 9, there appears to be two discrete TCE plumes in Area A. One TCE plume appears to have originated from the southern portion of buildings 86 and 93 and extend to the northeast and migrates off-Site. As no VOCs were detected in upgradient monitoring wells MW-8S, MW-8D and MW-30D, it is apparent that the TCE is originating from the southeast portion of Area A. An additional monitoring well nest would need to be installed to the southeast of building 142 to verify this conclusion.

The second TCE plume appears to have originated from the former retention basin located southwest of the Property B and extended to the northeast. As with the other TCE plume, based on the groundwater sampling results from monitoring wells on the north side of Sample Street, this plume is migrating off Area A. As shown on Figure 9, the residential closure level

goal was exceeded in HMW-11 (which is the upgradient well in this area). Therefore, it is not possible to identify whether the former retention basin is the source of the TCE, or if the TCE is migrating onto Area A from an off-Site source. An additional well nest would be required to be installed upgradient of the former retention basin to complete this determination. In addition, several other monitoring well nests would need to be installed to evaluate the western extent of this TCE plume.

Vinyl Chloride was detected at three groundwater sampling locations at concentrations ranging from 1.3 ug/L at HMW-31I to 4.1 ug/L at HMW-14S, exceeding the RISC commercial/industrial and residential default closure levels of 2 ug/L only at HMW-14S. HMW-14S is located in the northwest portion of Area A south of the western portion of the building on Property C, as shown on Figure 5. Vinyl Chloride may be biodegradation of TCE/or PCE, and appears to be isolated beneath Area A.

1,2,4-trimethylbenzene was detected at three groundwater sampling locations at concentrations ranging from 1.3 ug/L at HP-2d to 7,740 ug/L at HMW-23S. The 1,2,4-trimethylbenzene concentration at HMW-23S exceeded the commercial/industrial and residential closure levels that were derived by Hull from equations in Appendix F of the VRP Guidance Document. HMW-23S is located in the northeast portion of Area A, as shown on Figure 5. This COC appears to be related to the oily layer that was periodically encountered below the water table.

1,3,5-trimethylbenzene was detected at four groundwater sampling locations at concentrations ranging from 1.4 ug/L at MW-15D to 2,330 ug/L at HMW-23S. The 1,3,5-trimethylbenzene concentration at HMW-23S exceeded the RISC commercial/industrial and residential default closure levels that were derived by Hull from equations in Appendix F of the VRP Guidance Document. HMW-23S is located in the northeast portion of Area A as shown on Figure 5. This COC appears to be related to the oily layer that was periodically encountered below the water table.

3.5.2 Hydrogeologic Investigation Results

Based on the geologic information collected from the continuously sampled soil borings and monitoring wells, the Site is underlain by brown fine to medium sand with traces of silt and clay. The geologic conditions are illustrated on the generalized geologic cross sections A-A', B-B', C-

C' D-D' shown on Figure 10, 11, 12, and 13, respectively. Detailed descriptions of the unconsolidated materials encountered at each location are described on the Soil borings logs provided in Appendix A.

As shown on the geologic cross-sections and describe on the soil boring/monitoring well logs, the vadose zone ranges in thickness from approximately 20 to 27 ft. thickness. Soil samples collected from this zone were described in the field as predominantly brown fine to medium sand with a trace of gravel and fines (silt and clay). Soil samples submitted to the geotechnical laboratory for grain-size distribution analysis indicate that materials in this zone are primarily classified as SP, in accordance with Unified Soil Classification System (USCS), and are described as brown poorly sorted sands with trace to some gravel and trace to little fines.

Selected samples were also submitted to the analytical laboratory for total organic carbon (TOC) analysis – Walkley Black Method. The results of this analysis indicates that the TOC in vadose zone ranges from 0.036% to 0.18% with an average of 0.072%. This range and average appears to be typical of soil types encountered at Area A.

The saturated portion of the unconsolidated aquifer ranges in thickness from approximately 40 ft. to greater than 100 ft. As with the vadose zone, the aquifer material was described in the field as predominantly a brown fine to medium sand with secondary percentage gravel and fines. In addition, this portion of the unconsolidated deposits was also noted to contain relatively thin layer of sand and gravel and silty sand. These zones were determined to be isolated based on the fact that they were not encountered in adjacent soil borings/monitoring wells. These units are considered minor in term of the overall hydraulics of the aquifer system.

Beneath the aquifer, a lower confining layer was encountered at all locations, except HMW-22D and HMW-28D. Where present, the layer was described in the field as either a very dense, damp, silt or a hard, damp, silty clay. As shown on Figure 14, the top of this unit was encountered at elevations ranging from 631.1 ft. (USGS) at HMW-32D to 678.3 ft. at HMW-21D. Review of the Figure 8 suggests that this surface is likely an erosional surface that was created by fluvial activities prior to the depositional of the unconsolidated aquifer.

Soil samples submitted to geotechnical laboratory for grain-size analysis indicates that the saturated portion of the aquifer exhibit similar grain-size distribution as the unsaturated portion. Results of this analysis indicate that the materials are primarily classified as SP and are described as brown poorly sorted sand with some gravel and a trace of fines.

Selected samples from the aquifer were also submitted to the analytical laboratory for total organic carbon (TOC) analysis – Walkley Black Method. The results of this analysis indicates that the TOC in aquifer ranges from 0.088% to 0.17% with an average of 0.13%. This range and average appears to be typical of soil types encountered at Area A.

Legitimate slug tests could not be completed due to extremely fast recovery rates. Published hydraulic conductivity values from laboratory analyses indicate a range of conductivity values from 10^{-3} to 10^{-4} cm/sec for well sorted sands/glacial outwash (Fetter, 1994). Single well pumping tests may need to be completed to further characterize the hydraulic conductivity of the aquifer.

Static water levels from selected monitoring wells were used to evaluate the groundwater flow conditions in the upper and lower portions of the unconsolidated aquifer. These water levels were collected prior to groundwater sampling event. As shown on Figures 15 and 16, groundwater flow in upper and lower portions of the aquifer is to the northeast at a hydraulic gradient of 0.0007 ft/ft and is essentially identical. The highly variable nature of the lower confining units does not appear to significantly effect the groundwater flow regime in the lower portion of the aquifer.

4.0 CONCLUSIONS AND RECOMMENDATIONS

4.1 Summary of Potential Risks

Hull has conducted a preliminary evaluation of risk based on current Site conditions, as determined by the Initial Phase II ESA, available risk-based standards, and assumed future land uses. The evaluation considers:

1. potential receptors;
2. COC transport mechanisms; and,
3. Exposure pathways.

A brief discussion of the above factors follows.

Potential Receptors

Potential receptors include:

1. on-Site populations;
2. off-Site populations;
3. on-Site ecological resources; and,
4. off-Site ecological resources.

Current on-Site receptors primarily consist of workers at Underground Pipe & Valve and South Bend Lathe, visitors to these facilities and trespassers. Until recently, only a caretaker was consistently present at the Allied Products Corp. property. Both the Allied Product Corp property and the Huckins Tool & Die property are currently unoccupied. Trespassers may also be potential receptors.

Future use of the Site is expected to be commercial/industrial, and following development the population of potential receptors is expected to grow. During development activities construction workers are expected to be future on-Site receptors.

Off-Site populations consist of industrial, commercial and residential populations. Transient off-Site populations may also be present as construction workers (e.g., sewer repair).

As described in section 3 of this report, there are no known sensitive ecological receptors on the Site. Furthermore, potential off-Site ecological receptors (e.g., the St. Joseph River) are far enough from the Site to pose limited concern.

COC Transport Mechanisms

The primary transport mechanisms associated with COCs in soil and groundwater at the Site include:

1. direct contact with soil;
2. soil to air (particulates);
3. leaching of soil to groundwater;
4. groundwater migration;
5. migration via buried utilities;
6. vapor migration from soils; and,
7. vapor migration from groundwater.

Current conditions at the Site would greatly inhibit direct contact with soil, considering that most of the land surface is covered by asphalt, concrete and industrial buildings. Assuming that the Site will be developed as a commercial or industrial enterprise, the potential for soil contact or soil transport may be similar to what it is today. However, contact and transport could temporarily increase during demolition and construction activities.

The presence of asphalt, concrete and buildings over the Site probably limits infiltration of water, and thus leaching of COCs from soil to groundwater. However, the potential exists for leaching of COCs from unsaturated soils and migration into groundwater.

Initial Phase II ESA investigations determined that COC concentrations exceed risk-based closure levels in groundwater beneath the Site. Sampling has also determined probable migration from the Site to downgradient properties north of the Site.

Hull has a partial understanding of the utility and tunnel network beneath the Site. However, it is clear that sewers and other buried utilities traverse and leave the Site at several locations (refer to Figure 2). To Hull's knowledge, all utilities beneath and adjacent to the Site are above the

water table, and are therefore not subject to infiltration by groundwater. However, the current and future potential exists for limited infiltration by vapor-phase VOCs into sewers and subsequent transport as vapor or, via partitioning, as water carried by the sewers. Utility backfill materials do not appear to have significantly different permeabilities than the native soils and area fill materials, and are thus not expected to act as preferential pathways.

VOCs were detected in soils and groundwater beneath the Site. The potential therefore exists for vapors to migrate to indoor and outdoor air. Future development of the Site may or may not influence this transport mechanism.

Exposure Pathways

Soils

Based on current conditions at the Site, exposure pathways have the potential to result in unacceptable risk. As shown on Figure 4 and described on Table 5, soils exceed RISC commercial/industrial closure levels at 33 locations at the Site⁵. Of these locations, default direct contact closure levels are exceeded at the following 26 locations⁶:

1. GB-10;
2. GB-11;
3. GB-12;
4. GB-15;
5. GB-16;
6. GB-17;
7. GB-19;
8. GB-24;

⁵ Soil concentrations were compared with single-chemical default closure levels derived for direct contact, construction worker and migration to groundwater (leaching) pathway values. For pH-dependent COCs, the soil pH was assumed to be within default ranges. Concentrations were also compared with soil saturation and soil attenuation capacity values, where applicable. Cumulative values for metals and organics fell below soil attenuation capacity ceilings (i.e., 10,000 mg/kg for metals, 6,000 mg/kg for organics in surface (0.0-0.5 ft. bgs) soils and 2,000 mg/kg in subsurface (>0.5 ft. bgs) soils).

⁶ Samples in the above borings were collected from the upper two ft. bgs, consistent with original VRP protocol for surface sample analyses. While several of these samples include soils below 0.5 ft. bgs (i.e., the depth above which materials are considered surface soil pursuant to RISC guidance), Hull has conservatively compared COC concentrations against default direct contact closure levels for surface soils.

9. GB-29;
10. GB-31;
11. GB-32;
12. GB-34
13. GB-35;
14. GS-2;
15. GS-3;
16. HA-3;
17. HMW-2S;
18. HMW-15S;
19. HMW-18S
20. HMW-22D;
21. HMW-24D;
22. HMW-27D;
23. HMW-33D;
24. SB-1; and,
25. SB-5.

Fourteen of the locations exceeding single-chemical default closure levels, based on direct contact, are located along former railroad spurs that were paved over following decommissioning of the tracks. The locations exceeding the RISC direct contact exposure level are summarized in Table 5. The primary COCs exceeding closure levels at these locations are arsenic and benzo(a)pyrene, compounds commonly included in preservatives used on railroad ties. Two locations in the vicinity of Building 83 on Property D have lead concentrations ranging from 2,720 to 13,600 mg/kg. One of the samples was collected from beneath the slab in Building 83 and the other sample was collected from beneath the asphalt-covered parking lot. Other areas containing COCs at concentrations above single-chemical direct contact closure levels include:

three locations south of the building at Property C exhibiting oil staining or stressed vegetation and (benzo(a)pyrene);

1. near USTs on Property C containing (benzo(a)pyrene);
2. one location near the northern boundary of Property A containing (PCBs); and,
3. various locations on Property B - including areas inside the building and in the apparent retention basin (benzo(a)pyrene and arsenic).

Considering that most of the locations exceeding single-chemical soil closure levels are presently beneath asphalt or concrete which extends at least 100 ft. in all directions from the sampling points, current direct contact and airborne dust exposure pathways appear to be incomplete. Future exposures could occur during construction activities and if cover is not replaced or maintained. Furthermore, soils exceed default construction closure levels at two locations, including:

1. HMW-24D; and,
2. HMW-33D.

Both of the above locations are near locations in the vicinity of Building 83 Property D, and contain elevated concentrations of lead. As described previously, the elevated lead concentrations may be related to painting operations when the facility was used for automobile production.

No samples tested below a depth of two ft. bgs exceeded default leaching closure levels. The location exceeding RISC migration to groundwater closure levels are summarized in Table 5. However, soils within the upper two ft. bgs exceeded leaching closure levels at the following 24 locations:

1. GB-3;
2. GB-10;
3. GB-11;
4. GB-12;
5. GB-15;

6. GB-17;
7. GB-19;
8. GB-24;
9. GB-29;
10. GB-31;
11. GB-33;
12. GB-35;
13. GS-2;
14. GS-3;
15. HA-1;
16. HA-2;
17. HA-3;
18. HMW-4S;
19. HMW-7S;
20. HMW-9I;
21. HMW-12S;
22. HMW-24D;
23. HMW-33D; and,
24. SB-5.

Eleven of the locations that exceed migration to groundwater closure levels are along the former railroad spurs. The primary COCs that exceed closure levels in these locations are lead, arsenic and benzo(a)pyrene. Furthermore, cadmium, chromium, chrysene and indeno(1,2,3-cd)pyrene exceed their respective closure levels in at least one location. Two locations described previously near Building 83 on Property D contain lead at concentrations exceeding the migration to groundwater closure levels. Other areas containing soils that exceed migration to groundwater levels include:

1. two locations south of the building at Property C exhibiting oil staining or stressed vegetation (lead at one location chromium at another);
2. one location in building 142 on Property D near the former die washing area (PCE);
3. one location on Property A near an apparent dry well (lead);
4. two locations inside the southwest portion of the building at Property B in residual foundry materials (lead)⁷;
5. beneath the slab in building 80 at Property D (lead);
6. west of building 86 at Property D (lead); and,
7. three locations in, or near the apparent retention basis at Property B (lead at two locations and arsenic at one);

The default migration to groundwater levels are conservative. Further evaluation using Site-specific factors may result in fewer locations where the closure levels are exceeded.

VOCs were detected in unsaturated soils and groundwater beneath the Site. Surface and subsurface soils are very permeable, and would not form a natural barrier to limit the migration of vapors, although the presence of impervious cover across most of the Site would greatly limit movement to indoor and outdoor air. Nevertheless, potential current and future completed exposure pathways exist. Given the types of COCs detected, their concentrations and their distribution, it is unlikely that volatilization to outdoor air currently poses (or in the future will pose) an unacceptable risk. Volatilization of VOCs from soils to indoor air does not currently appear to pose an unacceptable risk as the highest concentrations are either outside buildings or beneath unoccupied buildings on. Absent remediation, and based on available data, future indoor exposures would likely pose an unacceptable risk in only one location: in the southern portion of Property D in Building 142, where the PCE concentration in surface soil is 4,740 ug/kg. Quantification of the risk would require Site-specific modeling.

Groundwater

As shown on Figures 6 through 9, various metals and VOCs in on-Site groundwater exceed default closure levels. However, there are no drinking water wells on-Site, and therefore no exposure pathways are currently complete. While unlikely, a water supply well would be

installed on-Site (a scenario that could be eliminated via deed restriction), resulting in a completed exposure pathway.

⁷ Materials sampled inside the foundry are unlikely to leach to groundwater as they appear to rest on the building slab.

Figures 6 through 9 and Table 6 indicate that COC concentrations in groundwater downgradient (i.e., north and potentially east) of the Site exceed default closure levels. As the City currently provides off-Site drinking water⁸ completed pathways for exposure to groundwater at off-Site properties are currently unlikely. However, delineation of the extent of COCs exceeding closure levels and a survey of water use within the delineated plume would be required to definitively exclude the possibility of exposure. As the City currently does not prohibit installation of wells for private use within its corporate limits, there is future potential for creation of exposure pathways.

Based on Hull's experience and these data obtained during this investigation, volatilization from groundwater is unlikely to pose unacceptable risk on- or off-Site. However, as with unsaturated soils, quantification of risk would require Site-specific modeling.

In summary, current on-Site risk is limited due to an absence of receptors in many portions of the Site as well as a prevalence of impervious cover. As discussed in more detail in section 4.2, remediation, engineering controls and/or institutional controls may be used to address future on-Site risks.

Consistent with definitions and guidance provided in the RISC technical guide, the perimeter of compliance for a contaminant plume must be within an area of control by the property owner/volunteer. Control is defined by the ability to monitor and restrict access to the contaminated groundwater through engineering or institutional controls. The area that the City could rapidly implement control is assumed to be within the Site boundaries.

Based on analysis of water samples collected from wells north of Sample Street, it is apparent that COCs exceeding RISC commercial/industrial and residential default closure levels have migrated beyond the Site's perimeter of compliance. Furthermore, Initial Phase II ESA data indicate that the COCs originated at least in part from on-Site sources. As shown on Figure 17, historical sampling of monitoring wells indicates the presence of various COCs detected at the Site. While certainly not conclusive, these detections may be related to migration of COCs from

⁸ Municipal water supply wells are sufficiently removed from the Site such that they are unlikely to be impacted by COCs originating at the Site.

the Site. Limited knowledge about activities at properties surrounding the Site adds uncertainties to the evaluation of current and future risk. For this reason, the lateral extent of off-Site groundwater contamination is the most significant data gap remaining.

4.2 Recommendations

The City has several options in addressing environmental conditions at the Site. Primary among these are:

1. entry into Indiana's VRP and use RISC guidance; or
2. use of a development agreement at the time of property transfer that addresses risk at the Site using RISC guidance⁹.

Participation in the VRP would entail:

1. submittal of a confidential Voluntary Remediation Application (VRA) and a \$1,000 fee to IDEM;
2. upon its review and approval, endorsement of the VRA by IDEM and the volunteer;
3. submittal of a Remediation Work Plan that would include:
 - documentation of previous investigations (e.g., Work Plan(s) and Phase I and Phase II ESA reports);
 - cleanup criteria selection;
 - statement of work;
 - risk assessment (as applicable)
 - remedial design/planning;
 - community relations plan;
 - schedule of implementation; and,
 - remedial cost estimate.
4. review and approval of the Remediation Work Plan by IDEM;
5. submittal of notice to IDEM of impending implementation of the Remediation Work Plan;
6. implementation of the Remediation Work Plan (with IDEM oversight), including:
 - any required supplemental pre-remedial studies;
 - selection and placement of land-use restrictions, as appropriate;
 - remedial construction;

⁹ Although cleanups may be led by the U.S. EPA, detailed discussions on the options are outside the scope of this report.

- implementation of the remedial action;
 - systems operations and maintenance, including ongoing environmental monitoring; and,
 - confirmatory sampling.
7. preparation and submittal of a Remediation Completion Report to IDEM;
 8. review and acceptance of the Remediation Completion Report by IDEM;
 9. issuance of a Certificate of Completion by IDEM's Commissioner; and,
 10. issuance of a Covenant not to Sue by the Governor's office¹⁰.

RISC provides for default and non-default investigative approaches. Default sampling approaches are prescriptive, typically costly, and may be time consuming. Non-default approaches may be less costly and time consuming, but they may not provide as definitive quantification of risk as would default sampling approach.

Use of a development agreement in which cleanup standards are identified and agreed upon would probably be least costly of the options due to an absence of regulatory oversight costs. Furthermore, elimination of regulatory review periods would probably result in a reduced time period for investigation and cleanup. However, the development agreement would not result in a release of liability via a Covenant not to Sue.

Assuming that the project continues under the VRP, the City will have the opportunity to select source areas to receive a Certificate of Completion and Covenant Not to Sue following cleanup. Based upon information obtained to date, Hull recommends that at a minimum the City obtain liability limitation for those areas of soils known to exceed default closure levels (refer to Table 5) and any other source areas in soils determined through future investigation or identified during structure demolition/Site development. Known source areas will need to be further delineated. Hull recommends that the City meet with IDEM prior to initiating delineation efforts in order to identify non-default sampling strategies that would be suited to the size and complexity of the Site.

¹⁰ A Memorandum of Agreement between IDEM and the U.S. EPA is in place that extends a release of liability to actions by the U.S. EPA when a Covenant not to Sue is obtained.

Future opportunities to incorporate development activities (i.e., demolition and/or construction) into remediation and potentially use of engineering controls to eliminate exposure pathways may limit remedial costs for contaminated soils. As described below, the City may wish to defer a decision on seeking a Certificate of Completion and Covenant Not to Sue for groundwater until additional data are gathered.

Uncertainties about the off-Site extent of COCs exceeding closure levels is the most significant data gap at the completion of the Initial Phase II ESA. Furthermore, addressing off-Site contamination is likely to be the most costly component of the environmental component of redevelopment.

Strategies for remediating and/or containing groundwater may be dependent upon the areal extent of off-Site contamination exceeding default closure levels, and may include one or a combination of the following general technologies:

1. groundwater extraction and ex-situ treatment;
2. groundwater extraction and discharge to the public operated treatment works;
3. installation of a reaction wall (or reaction wall in combination with barrier walls as a "funnel and gate" system) at the point of compliance;
4. in-situ chemical application (i.e., chemical oxidation, application of hydrogen- and/or oxygen-releasing compounds); and,
5. determination of a stable plume and ongoing monitoring to document stability.

In all cases, it is probable that some efforts in source control/remediation will be necessary. To the extent that unsaturated soils contribute to groundwater contamination, they may require excavation and off-Site disposal and/or treatment and/or in-situ remediation by methods such as soil vacuum extraction or chemical application.

Hydrogeology beneath the Site and in surrounding areas is such that all of the above technologies (with the exception of plume stability) would be effective in removing contaminant mass from the aquifer. To the extent that there are no dense nonaqueous phase liquids in groundwater, attainment of closure levels should be technically practicable, although the length of time and cost to achieve cleanup could be great. On-Site containment of COCs exceeding closure levels should also be achievable. Again, the design and efficacy of various cleanup or

containment strategies is highly dependent on the lateral extent of off-Site contamination and nature of potential exposures. In general, costs for addressing groundwater contamination will be high and long-term relative to soil contamination at the Site.

Given issues of cost and probable long duration of "active" groundwater remediation, and considering groundwater use within the City of South Bend, Hull recommends that the City consider using institutional controls to limit future exposures to groundwater contamination. Appendix 5 of the RISC Technical Guide (refer to Appendix G of this document) provides guidance on environmental notices (i.e., deed notices) that serve as institutional controls for contaminated sites that: receive a commercial or industrial land-use designation; have a remedy that includes an activity restriction; and/or have a remedy that employs an engineering control. Primary criteria for an institutional control, as described in the guidance document, include:

1. legal notice to current and potential future property owners of the nature and extent of the restrictions;
2. permanence; and,
3. legal validity.

An environmental notice can be applied to the VRP Site or, contingent upon agreement by the property owner, property onto which contamination has migrated. Such a scenario may be feasible when the volunteer and the adjacent property owner share common interests. However, implementation of environmental notices for multiple properties under which contaminated groundwater has migrated could prove cumbersome.

Possibly in consideration of such problems, IDEM has offered an alternative to an environmental notice that addresses groundwater contamination. The alternative approach allows a unit of local government to adopt an ordinance that limits exposure to groundwater (i.e., a prohibition of new drinking water wells within the municipality). IDEM would require documentation supporting the ordinance, including:

1. a copy of the ordinance and a proof of its recordation with the county;
2. mapped delineation of groundwater exceeding closure levels; and,
3. mapped boundaries and ownership of properties overlying the above-delineated plume.

The above information would be provided to all of the affected property owners. The owner of the site from which contamination originated would be required to monitor and notify IDEM of variances and contain or remediate contamination if variances result in unacceptable risks to groundwater users.

In order to delineate groundwater exceeding closure levels, the City would be required to gain access to off-Site properties, install probes/monitoring wells and collect groundwater samples for chemical analysis. A monitoring program would also need to be established to demonstrate that the plume is stable or diminishing.

5.0 REFERENCES

A variety of technical manuals, administrative documents and publications were referred to in preparing this document. Some of the references consulted are presented below. Referenced documents and publications may or may not have been reviewed in their entirety. The guidelines and procedures presented in the documents and publications referenced have been strictly adhered to unless stated otherwise.

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INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 1
SUMMARY OF MONITOR WELL INSTALLATION AND CONSTRUCTION DATA
AREA A

| Piezometer ID | Hydraulic Location | Date Installed | Coordinates Northing | Coordinates Eastings | Ground Surface Elevation (ft) | Total Depth (ft) | Casing/Screen Material | Screened Interval (ft-bgs) | Sand Pack Interval (ft-bgs) | Sodium Bentonite Chip Interval (ft-bgs) | Sodium Bentonite Grout Interval (ft-bgs) | Concrete Interval (ft-bgs) |
|----------------------------|--------------------|----------------|-------------------------|-------------------------|-------------------------------|------------------|------------------------|----------------------------|-----------------------------|---|--|----------------------------|
| SHALLOW MONITOR WELLS | | | | | | | | | | | | |
| HMW-1S | | 7-31-01 | 2338460.72 | 3178692.95 | 728.66 | 25.0 | 2.0" PVC | 15.0-20.0 | 13.0-20.0 | 1.0-13.0 | | 0.0-1.0 |
| HMW-2S | | 8-02-01 | 2337648.27 | 3177376.15 | 724.86 | 25.0 | 2.0" PVC | 20.0-25.0 | 18.0-25.0 | 1.0-18.0 | | 0.0-1.0 |
| HMW-3S | | 8-01-01 | 2337868.73 | 3177542.45 | 725.65 | 26.0 | 2.0" PVC | 21.0-26.0 | 20.0-26.0 | 1.0-20.0 | | 0.0-1.0 |
| HMW-4S | | 8-01-01 | 2337892.10 | 3177590.56 | 725.52 | 25.0 | 2.0" PVC | 20.0-25.0 | 18.0-25.0 | 1.0-18.0 | | 0.0-1.0 |
| HMW-5S | | 8-01-01 | 2337987.21 | 3177588.19 | 725.34 | 25.0 | 2.0" PVC | 20.0-25.0 | 18.0-25.0 | 1.0-18.0 | | 0.0-1.0 |
| HMW-6S | | 8-02-01 | 2338087.11 | 3177570.51 | 724.58 | 24.0 | 2.0" PVC | 19.0-24.0 | 18.0-24.0 | 0.5-18.0 | | 0.0-0.5 |
| HMW-7S | | 8-07-01 | 2337093.63 | 3177969.85 | 729.24 | 28.0 | 2.0" PVC | 23.0-28.0 | 21.0-28.0 | 1.0-21.0 | | 0.0-1.0 |
| HMW-8S | | 8-10-01 | 2336920.23 | 3177977.36 | 728.39 | 25.0 | 2.0" PVC | 15.0-25.0 | 13.0-25.0 | 1.0-13.0 | | 0.0-1.0 |
| HMW-9S | | 8-20-01 | 2336735.87 | 3178197.56 | 730.79 | 30.0 | 2.0" PVC | 20.0-30.0 | 18.0-30.0 | 1.0-18.0 | | 0.0-1.0 |
| HMW-10S | | 8-07-01 | 2336800.30 | 3178392.76 | 730.96 | 28.0 | 2.0" PVC | 23.0-28.0 | 21.0-28.0 | 1.0-21.0 | | 0.0-1.0 |
| HMW-12S | | 8-14-01 | 2337350.86 | 3178515.16 | 729.72 | 30.0 | 2.0" PVC | 20.0-30.0 | 18.0-30.0 | 1.0-18.0 | | 0.0-1.0 |
| HMW-13S | | 8-01-01 | 2337482.45 | 3178495.92 | 729.80 | 28.0 | 2.0" PVC | 23.0-28.0 | 21.0-28.0 | 1.0-21.0 | | 0.0-1.0 |
| HMW-14S | | 8-15-01 | 2337889.66 | 3177830.98 | 728.75 | 31.5 | 2.0" PVC | 21.5-31.5 | 19.5-31.5 | 0.5-19.5 | | 0.0-0.5 |
| HMW-15S | | 8-23-01 | 2337903.79 | 3178055.59 | 728.81 | 30.0 | 2.0" PVC | 20.0-30.0 | 18.0-30.0 | 1.0-18.0 | | 0.0-1.0 |
| HMW-18S | | 8-14-01 | 2337934.77 | 3178621.08 | 728.90 | 32.0 | 2.0" PVC | 22.0-32.0 | 20.0-32.0 | 1.0-20.0 | | 0.0-1.0 |
| HMW-19S | | 8-08-01 | 2337862.06 | 3178700.02 | 729.45 | 30.0 | 2.0" PVC | 25.0-30.0 | 23.0-30.0 | 1.0-23.0 | | 0.0-1.0 |
| HMW-20S | | 8-06-01 | 2336649.12 | 3178714.95 | 731.21 | 27.0 | 2.0" PVC | 22.0-27.0 | 20.0-27.0 | 1.0-20.0 | | 0.0-1.0 |
| HMW-23S | | 8-08-01 | 2337725.64 | 3178980.12 | 728.55 | 30.0 | 2.0" PVC | 25.0-30.0 | 23.0-30.0 | 1.0-23.0 | | 0.0-1.0 |
| HMW-25S | | 8-10-01 | 2337831.22 | 3178878.10 | 729.32 | 29.5 | 2.0" PVC | 19.5-29.5 | 17.0-29.5 | 1.0-17.0 | | 0.0-1.0 |
| HMW-26S | | 8-09-01 | 2337844.28 | 3178968.67 | 729.24 | 28.0 | 2.0" PVC | 18.0-28.0 | 15.0-28.0 | 1.0-15.0 | | 0.0-1.0 |
| HMW-27S | | 8-13-01 | 2338095.23 | 3178850.99 | 728.45 | 33.0 | 2.0" PVC | 23.0-33.0 | 21.0-33.0 | 1.0-21.0 | | 0.0-1.0 |
| HMW-28S | | 9-12-01 | 2338439.11 | 3177954.94 | 723.73 | 25.0 | 2.0" PVC | 15.0-25.0 | 13.0-25.0 | 1.0-13.0 | | 0.0-1.0 |
| HMW-31S | | 9-10-01 | 2338462.53 | 3178696.09 | 725.34 | 28.0 | 2.0" PVC | 18.0-28.0 | 16.0-28.0 | 0.5-18.0 | | 0.0-0.5 |
| HMW-33S | | 8-09-01 | 2337079.59 | 3178932.59 | 730.78 | 30.0 | 2.0" PVC | 25.0-30.0 | 23.0-30.0 | 1.0-23.0 | | 0.0-1.0 |
| HMW-34S | | 8-14-01 | 2337917.74 | 3178156.93 | 728.71 | 31.6 | 2.0" PVC | 21.6-31.6 | 19.6-31.6 | 0.6-19.6 | | 0.0-0.6 |
| HMW-35S | | 8-16-01 | 2337618.32 | 3177974.74 | 728.86 | 30.0 | 2.0" PVC | 20.0-30.0 | 18.0-30.0 | 1.0-18.0 | | 0.0-1.0 |
| INTERMEDIATE MONITOR WELLS | | | | | | | | | | | | |
| HMW-11I | | 7-31-01 | 2337058.35 | 3177114.05 | 728.77 | 48.0 | 2.0" PVC | 43.0-48.0 | 41.0-48.0 | 1.0-41.0 | | 0.0-1.0 |
| HMW-8I | | 8-10-01 | 2336928.37 | 3177978.32 | 729.49 | 50.0 | 2.0" PVC | 45.0-50.0 | 43.0-50.0 | 41.0-43.0 | 1.0-41.0 | 0.0-1.0 |
| HMW-9I | | 8-20-01 | 2336736.66 | 3178202.73 | 730.95 | 50.0 | 2.0" PVC | 45.0-50.0 | 43.0-50.0 | 41.0-43.0 | 1.0-41.0 | 0.0-1.0 |
| HMW-11I | | 8-22-01 | 2336972.73 | 3178271.36 | 730.07 | 38.0 | 2.0" PVC | 33.0-38.0 | 31.0-38.0 | 30.0-31.0 | 1.0-30.0 | 0.0-1.0 |
| HMW-22I | | 8-08-01 | 2336484.80 | 3178922.55 | 731.24 | 55.0 | 2.0" PVC | 50.0-55.0 | 48.0-55.0 | 46.0-48.0 | 1.0-46.0 | 0.0-1.0 |
| HMW-29I | | 9-12-01 | 2338445.18 | 3178227.82 | 723.64 | 37.0 | 2.0" PVC | 27.0-37.0 | 25.0-37.0 | 1.0-25.0 | | 0.0-1.0 |
| HMW-30I | | 9-13-01 | 2338465.32 | 3178471.68 | 724.76 | 39.0 | 2.0" PVC | 29.0-39.0 | 27.0-39.0 | 1.0-27.0 | | 0.0-1.0 |
| HMW-31I | | 9-10-01 | 2338460.81 | 3178693.60 | 725.20 | 45.0 | 2.0" PVC | 35.0-45.0 | 33.0-45.0 | 1.0-33.0 | | 0.0-1.0 |
| HMW-32I | | 9-10-01 | 2338472.12 | 3178969.44 | 725.06 | 41.0 | 2.0" PVC | 31.0-41.0 | 29.0-41.0 | 1.0-29.0 | | 0.0-1.0 |

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 1
SUMMARY OF MONITOR WELL INSTALLATION AND CONSTRUCTION DATA
AREA A

| Piezometer ID | Hydraulic Location | Date Installed | Coordinates Northing Eastings | Ground Surface Elevation (ft) | Total Depth (ft) | Casing/ Screen Material | Screened Interval (ft. bgs) | Sand Pack Interval (ft. bgs) | Sodium Bentonite Chip Interval (ft. bgs) | Sodium Bentonite Grout Interval (ft. bgs) | Concrete Interval (ft. bgs) |
|------------------|-----------------------|-------------------|-------------------------------------|--|------------------------|-------------------------------|-----------------------------------|---------------------------------------|---|--|-----------------------------------|
| HMW-1D | | 7-31-01 | 2337063.92 | 3177113.38 | 728.42 | 2.0" PVC | 73.0-78.0 | 71.0-80.0 | 80.0-85.0/69.0-71.0/1.0-5.0 | 5.0-69.0 | 0.0-1.0 |
| HMW-6D | | 8-01-01 | 2338075.22 | 3177571.71 | 724.27 | 2.0" PVC | 80.0-85.0 | 78.0-88.0 | 76.0-78.0/1.0-5.0 | 5.0-76.0 | 0.0-1.0 |
| HMW-8D | | 8-09-01 | 2336939.59 | 3177977.88 | 729.32 | 2.0" PVC | 68.0-73.0 | 66.0-78.0 | 64.0-66.0/1.0-13.0 | 13.0-64.0 | 0.0-1.0 |
| HMW-9D | | 9-15-01 | 2336791.64 | 3178071.83 | 729.99 | 2.0" PVC | 61.0-66.0 | 59.0-66.0 | 58.0-59.0/1.0-12.0 | 12.0-58.0 | 0.0-1.0 |
| HMW-11D | | 8-22-01 | 2336975.99 | 3178274.81 | 730.32 | 2.0" PVC | 64.0-69.0 | 62.0-72.7 | 61.0-62.0 | 2.0-61.0 | 0.0-2.0 |
| HMW-12D | | 8-13-01 | 2337266.37 | 3178211.28 | 730.39 | 2.0" PVC | 61.0-66.0 | 59.0-68.0 | 57.0-59.0 | 1.0-57.0 | 0.0-1.0 |
| HMW-13D | | 8-15-01 | 2337475.46 | 3178502.62 | 729.79 | 2.0" PVC | 61.0-66.0 | 59.0-70.0 | 57.0-59.0 | 2.0-57.0 | 0.0-2.0 |
| HMW-15D | | 8-23-01 | 2337903.93 | 3178062.62 | 728.72 | 2.0" PVC | 57.0-63.0 | 56.0-63.3 | 54.0-56.0 | 1.0-54.0 | 0.0-1.0 |
| HMW-16D | | 8-22-01 | 2337876.58 | 3178277.93 | 729.11 | 2.0" PVC | 61.0-66.0 | 60.0-69.0 | 58.0-60.0 | 1.0-58.0 | 0.0-1.0 |
| HMW-17D | | 8-27-01 | 2337592.20 | 3178323.03 | 730.42 | 2.0" PVC | 61.0-66.0 | 59.0-70.0 | 57.0-59.0 | 2.0-57.0 | 0.0-2.0 |
| HMW-19D | | 8-22-01 | 2337901.08 | 3178726.78 | 729.24 | 2.0" PVC | 63.0-68.0 | 61.0-72.0 | 59.0-61.0 | 1.0-59.0 | 0.0-1.0 |
| HMW-21D | | 8-13-01 | 2337024.15 | 3178818.17 | 730.08 | 2.0" PVC | 31.0-46.0 | 34.0-47.0 | 47.0-60.0/32.0-34.0/1.0-10.0 | 10.0-32.0 | 0.0-1.0 |
| HMW-22D | | 8-08-01 | 2336492.22 | 3178911.70 | 731.64 | 2.0" PVC | 75.0-80.0 | 73.0-80.0 | 73.0-75.0 | 1.0-73.0 | 0.0-1.0 |
| HMW-23D | | 8-21-01 | 2337023.47 | 3178677.72 | 729.21 | 2.0" PVC | 81.0-86.0 | 79.0-88.3 | 78.0-79.0/1.0-15.0 | 15.0-78.0 | 0.0-1.0 |
| HMW-24D | | 8-21-01 | 2337484.17 | 3179036.08 | 729.44 | 2.0" PVC | 50.0-55.0 | 48.0-60.0 | 46.0-48.0/1.0-10.0 | 10.0-46.0 | 0.0-1.0 |
| HMW-28D | | 8-29-01 | 2338436.46 | 3177958.96 | 723.65 | 2.0" PVC | 85.0-95.0 | 83.0-95.0 | 1.0-5.0 | 5.0-83.0 | 0.0-1.0 |
| HMW-29D | | 9-11-01 | 2338444.95 | 3178222.97 | 723.63 | 2.0" PVC | 75.0-80.0 | 73.0-80.0 | 71.0-73.0/1.0-8.0 | 8.0-71.0 | 0.0-1.0 |
| HMW-30D | | 9-05-01 | 2338461.13 | 3178471.56 | 724.95 | 2.0" PVC | 63.0-68.0 | 61.0-68.0 | 59.0-61.0/1.0-5.0 | 5.0-59.0 | 0.0-1.0 |
| HMW-31D | | 8-31-01 | 2338459.90 | 3178697.29 | 725.34 | 2.0" PVC | 55.0-60.0 | 53.0-60.0 | 51.0-53.0/1.0-5.0 | 5.0-51.0 | 0.0-1.0 |
| HMW-32D | | 9-06-01 | 2338468.95 | 3178967.48 | 725.07 | 2.0" PVC | 88.0-93.0 | 86.0-93.0 | 84.0-86.0/1.0-5.0 | 5.0-84.0 | 0.0-1.0 |
| HMW-33D | | 8-08-01 | 2337072.09 | 3178933.69 | 731.02 | 2.0" PVC | 45.0-50.0 | 43.0-51.0 | 51.0-58.0/41.0-43.0 | 1.0-41.0 | 0.0-41.0 |

DEEP MONITOR WELLS

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|--------------------------|-------------------------|-------------|--------------|----------------------|----------------------|----------|----------------|---|
| GB-1 | SBI002:GB-1:S000010:412 | 8/9/01 | 0.0'-1.0' | Metals | Chromium | 8.8 | mg/kg dw | 120** |
| | | | | | Barium | 300 | mg/kg dw | 5,900 |
| | | | | | Lead | 114 | mg/kg dw | 230 |
| | | | | SVOCs | Acenaphthene | 357 | ug/kg dw | 1,200,000 |
| | | | | | Anthracene | 1,230 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 1,200 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 1,170 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 2,860 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 916 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 1,650 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 2,700 | ug/kg dw | 880,000 |
| | | | | | Fluorene | 455 | ug/kg dw | 1,100,000 |
| | | | | | Naphthalene | 480 | ug/kg dw | 170,000 |
| | | | | | Phenanthrene | 4,690 | ug/kg dw | 126,049,825*** |
| Pyrene | 4,530 | ug/kg dw | 570,000 | | | | | |
| Dry Weight | 94.2 | % | NS | | | | | |
| SBI002:GB-1D:S000010:412 | 8/9/01 | 0.0'-1.0' | Metals | Barium | 311 | mg/kg dw | 5,900 | |
| | | | | Chromium | 10 | mg/kg dw | 120** | |
| | | | | Lead | 125 | mg/kg dw | 230 | |
| | | | SVOCs | Mercury | 0.063 | mg/kg dw | 32 | |
| | | | | Anthracene | 783 | ug/kg dw | 51,000 | |
| | | | | Benzo(a)anthracene | 934 | ug/kg dw | 15,000 | |
| | | | | Benzo(a)pyrene | 299 | ug/kg dw | 1,500 | |
| | | | | Benzo(b)fluoranthene | 2,090 | ug/kg dw | 15,000 | |
| | | | | Benzo(k)fluoranthene | 744 | ug/kg dw | 39,000 | |
| | | | | Chrysene | 1,320 | ug/kg dw | 25,000 | |
| | | | | Fluoranthene | 2,170 | ug/kg dw | 880,000 | |
| | | | | Naphthalene | 518 | ug/kg dw | 170,000 | |
| | | | | Phenanthrene | 2,530 | ug/kg dw | 126,049,825*** | |
| | | | | Pyrene | 3,150 | ug/kg dw | 570,000 | |
| Dry Weight | 94.2 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|-------------|-------------------------|-------------|--------------|--------------|----------------------|---------|----------|---|
| GB-2 | SB1002:GB-2:S010015:412 | 8/9/01 | 1.0'-1.5' | Metals | Barium | 191 | mg/kg dw | 5,900 |
| | | | | | Chromium | 9.3 | mg/kg dw | 120** |
| | | | | | Lead | 62.5 | mg/kg dw | 230 |
| | | | | | Mercury | 0.278 | mg/kg dw | 32 |
| GB-3 | SB1002:GB-3:S005020:412 | 8/8/01 | 0.5'-2.0' | SVOCs | Benzo(a)pyrene | 195 | ug/kg dw | 1,500 |
| | | | | | Dry Weight | 88 | % | NS |
| | | | | Metals | Arsenic | 13.5 | mg/kg dw | 20 |
| | | | | | Barium | 342 | mg/kg dw | 5,900 |
| | | | | | Chromium | 32.3 | mg/kg dw | 120** |
| | | | | | Lead | 306 | mg/kg dw | 230 |
| | | | | SVOCs | Mercury | 0.576 | mg/kg dw | 32 |
| | | | | | Acenaphthylene | 419 | ug/kg dw | 7,565,408*** |
| | | | | | Benzo(a)anthracene | 666 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 710 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 1,430 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 434 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 755 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 810 | ug/kg dw | 880,000 |
| | | | | | Phenanthrene | 657 | ug/kg dw | 126,049,825*** |
| | | | | | Pyrene | 1,640 | ug/kg dw | 570,000 |
| Dry Weight | 86.8 | % | NS | | | | | |
| Metals | Arsenic | 8.3 | mg/kg dw | 20 | | | | |
| | Barium | 159 | mg/kg dw | 5,900 | | | | |
| | Chromium | 11 | mg/kg dw | 120** | | | | |
| | Lead | 102 | mg/kg dw | 230 | | | | |
| SVOCs | Mercury | 0.396 | mg/kg dw | 32 | | | | |
| | Benzo(a)pyrene | 282 | ug/kg dw | 1,500 | | | | |
| | Benzo(b)fluoranthene | 532 | ug/kg dw | 15,000 | | | | |
| Dry Weight | 596 | % | 570,000 | | | | | |
| Dry Weight | 87.2 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | |
|-------------|-------------------------|-------------|--------------|--------------|----------------------|--------------|----------|---|-------|
| GB-5 | SB1002:GB-5:S015025:412 | 8/8/01 | 1.5'-2.5' | Metals | Barium | 18.3 | mg/kg dw | 5,900 | |
| | | | | | Chromium | 6.4 | mg/kg dw | 120** | |
| | | | | | Lead | 7.7 | mg/kg dw | 230 | |
| | | | | | Mercury | 0.008 | mg/kg dw | 32 | |
| GB-8 | SB1002:GB-8:S000015:412 | 8/8/01 | 0.0'-1.5' | SVOCs | All Analytes | <RL | -- | -- | |
| | | | | | Dry Weight | 94.3 | % | NS | |
| | | | | | Metals | Barium | 86.9 | mg/kg dw | 5,900 |
| | | | | | | Chromium | 6.5 | mg/kg dw | 120** |
| | | | | | | Lead | 28.3 | mg/kg dw | 230 |
| | | | | | | Mercury | 0.024 | mg/kg dw | 32 |
| | | | | | VOCs | All Analytes | <RL | -- | -- |
| | | | | | | All Analytes | <RL | -- | -- |
| | | | | | | TPH | <RL | NS | NS |
| | | | | | | Dry Weight | 96 | % | NS |
| GB-9 | SB1002:GB-9:S000020:412 | 8/9/01 | 0.0'-2.0' | Metals | Barium | 398 | mg/kg dw | 5,900 | |
| | | | | | Chromium | 90.2 | mg/kg dw | 120** | |
| | | | | | Lead | 193 | mg/kg dw | 230 | |
| | | | | VOCs | Mercury | 1.38 | mg/kg dw | 32 | |
| | | | | | All Analytes | <RL | -- | -- | |
| | | | | | Benzo(a)anthracene | 574 | ug/kg dw | 15,000 | |
| | | | | SVOCs | Benzo(a)pyrene | 427 | ug/kg dw | 1,500 | |
| | | | | | Benzo(b)fluoranthene | 988 | ug/kg dw | 15,000 | |
| | | | | | Benzo(k)fluoranthene | 451 | ug/kg dw | 39,000 | |
| | | | | | Chrysene | 753 | ug/kg dw | 25,000 | |
| | | | | | Fluoranthene | 1,040 | ug/kg dw | 880,000 | |
| | | | | | Phenanthrene | 749 | ug/kg dw | 126,049,825*** | |
| | | | | | Pyrene | 2,340 | ug/kg dw | 570,000 | |
| PCBs | All Analytes | <RL | -- | -- | | | | | |
| | TPH | 2,320 | mg/kg dw | NS | | | | | |
| | Dry Weight | 95 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|------------------------|--------------------------|-------------|----------------|--------------|----------------------|---------|----------|---|
| GB-10 | SBI002:GB-10:S000020:412 | 8/9/01 | 0.0'-2.0' | Metals | Barium | 237 | mg/kg dw | 5,900 |
| | | | | | Cadmium | 89.2 | mg/kg dw | 77 |
| | | | | | Chromium | 16.2 | mg/kg dw | 120** |
| | | | | | Lead | 147 | mg/kg dw | 230 |
| | | | | VOCs | Mercury | 0.419 | mg/kg dw | 32 |
| | | | | | Trichloroethene | 7.9 | ug/kg dw | 3,000 |
| | | | | SVOCs | Anthracene | 5,270 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 12,300 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 10,900 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 16,000 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 6,170 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 12,500 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 20,000 | ug/kg dw | 880,000 |
| Indeno(1,2,3-cd)pyrene | 3,160 | ug/kg dw | 3,100 | | | | | |
| Phenanthrene | 19,100 | ug/kg dw | 126,049,825*** | | | | | |
| Pyrene | 30,600 | ug/kg dw | 570,000 | | | | | |
| PCBs | All Analytes | <RL | | | | | | |
| | TPH | 199 | mg/kg dw | NS | | | | |
| Dry Weight | TPH - FTIR Non-aq | | | NS | | | | |
| | Dry Weight | 95.4 | % | NS | | | | |
| GB-11 | SBI002:GB-11:S000015:412 | 8/10/01 | 0.0'-1.5' | Metals | Arsenic | 6.3 | mg/kg dw | 20 |
| | | | | | Barium | 127 | mg/kg dw | 5,900 |
| | | | | | Chromium | 7.7 | mg/kg dw | 120** |
| | | | | | Lead | 628 | mg/kg dw | 230 |
| | | | | VOCs | Mercury | 0.275 | mg/kg dw | 32 |
| | | | | | All Analytes | <RL | | |
| | | | | SVOCs | Anthracene | 412 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 1,740 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 1,610 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 2,090 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 751 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 1,880 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 4,210 | ug/kg dw | 880,000 |
| Indeno(1,2,3-cd)pyrene | 521 | ug/kg dw | 3,100 | | | | | |
| Phenanthrene | 4,170 | ug/kg dw | 126,049,825*** | | | | | |
| PCBs | All Analytes | <RL | | | | | | |
| | TPH | <RL | | NS | | | | |
| Dry Weight | TPH - FTIR Non-aq | | | NS | | | | |
| | Dry Weight | 86.9 | % | NS | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|--------------|--------------------------|-------------|----------------|--------------|------------------------|---------|----------|---|
| GB-12 | SB1002:GB-12:S000020:412 | 8/9/01 | 0.0'-2.0' | Metals | Barium | 187 | mg/kg dw | 5,900 |
| | | | | | Chromium | 177 | mg/kg dw | 120** |
| | | | | | Lead | 167 | mg/kg dw | 230 |
| | | | | VOCs | Mercury | 0.523 | mg/kg dw | 32 |
| | | | | | Anthracene | 689 | ug/kg dw | 51,000 |
| | | | | | All Analytes | <RL | -- | -- |
| | | | | | Benzo(a)anthracene | 2,740 | ug/kg dw | 15,000 |
| | | | | SVOCs | Benzo(a)pyrene | 2,650 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 5,660 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 2,170 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 2,830 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 5,540 | ug/kg dw | 880,000 |
| | | | | | Indeno(1,2,3-cd)pyrene | 377 | ug/kg dw | 3,100 |
| Phenanthrene | 4,650 | ug/kg dw | 126,049,825*** | | | | | |
| Pyrene | 529 | ug/kg dw | 320,000 | | | | | |
| 9,230 | ug/kg dw | 570,000 | | | | | | |
| PCBs TPH | All Analytes | <RL | -- | -- | | | | |
| | TPH - FTIR Non-aq | 3,510 | mg/kg dw | NS | | | | |
| | Dry Weight | 94 | % | NS | | | | |
| GB-13 | SB1002:GB-13:S010020:412 | 8/8/01 | 1.0'-2.0' | Metals | Barium | 110 | mg/kg dw | 5,900 |
| | | | | | Chromium | 12.5 | mg/kg dw | 120** |
| | | | | | Lead | 201 | mg/kg dw | 230 |
| | | | | SVOCs | Mercury | 1.25 | mg/kg dw | 32 |
| | | | | | Benzo(a)anthracene | 712 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 668 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 1,130 | ug/kg dw | 15,000 |
| | | | | SVOCs | Benzo(k)fluoranthene | 378 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 712 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 1,300 | ug/kg dw | 880,000 |
| | | | | | Phenanthrene | 1,450 | ug/kg dw | 126,049,825*** |
| | | | | | Pyrene | 1,990 | ug/kg dw | 570,000 |
| | | | | Dry Weight | 94.6 | % | NS | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|------------------------|--------------------------|-------------|----------------|--------------|------------------------|---------|----------|---|
| GB-14 | SBI002:GB-14:S015025:412 | 8/8/01 | 1.5'-2.5' | Metals | Barium | 64.2 | mg/kg dw | 5,900 |
| | | | | | Chromium | 10 | mg/kg dw | 120** |
| | | | | | Lead | 69.3 | mg/kg dw | 230 |
| GB-14 | SBI002:GB-14:S015025:412 | 8/8/01 | 1.5'-2.5' | SVOCs | Mercury | 0.095 | mg/kg dw | 32 |
| | | | | | All Analytes | <RL | - | - |
| | | | | | Dry Weight | 90.1 | % | NS |
| GB-15 | SBI002:GB-15:S000010:412 | 8/7/01 | 0.0'-1.0' | Metals | Arsenic | 27.6 | mg/kg dw | 20 |
| | | | | | Barium | 171 | mg/kg dw | 5,900 |
| | | | | | Cadmium | 3 | mg/kg dw | 77 |
| | | | | | Chromium | 22.6 | mg/kg dw | 120** |
| | | | | | Lead | 391 | mg/kg dw | 230 |
| | | | | | Mercury | 0.716 | mg/kg dw | 32 |
| | | | | | Benzo(a)anthracene | 452 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 500 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 826 | ug/kg dw | 15,000 |
| | | | | | Chrysene | 644 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 489 | ug/kg dw | 880,000 |
| | | | | | Indeno(1,2,3-cd)pyrene | 371 | ug/kg dw | 3,100 |
| | | | | | Phenanthrene | 719 | ug/kg dw | 126,049,825*** |
| Pyrene | 2,140 | ug/kg dw | 570,000 | | | | | |
| GB-16 | SBI002:GB-16:S000005:412 | 8/7/01 | 0.0'-0.5' | SVOCs | Dry Weight | 89.4 | % | NS |
| | | | | | Arsenic | 17.2 | mg/kg dw | 20 |
| | | | | | Barium | 87 | mg/kg dw | 5,900 |
| | | | | | Chromium | 11.8 | mg/kg dw | 120** |
| | | | | | Lead | 174 | mg/kg dw | 230 |
| | | | | | Mercury | 0.879 | mg/kg dw | 32 |
| | | | | | Acenaphthylene | 1210 | ug/kg dw | 7,565,408*** |
| | | | | | Anthracene | 851 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 2,700 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 3,030 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 6,540 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 2,070 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 4,040 | ug/kg dw | 25,000 |
| Dibenzo(a,h)anthracene | 602 | ug/kg dw | 1,500 | | | | | |
| Fluoranthene | 1,740 | ug/kg dw | 880,000 | | | | | |
| Indeno(1,2,3-cd)pyrene | 1,410 | ug/kg dw | 3,100 | | | | | |
| Phenanthrene | 539 | ug/kg dw | 126,049,825*** | | | | | |
| Pyrene | 4,020 | ug/kg dw | 570,000 | | | | | |
| Dry Weight | 92.1 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|-------------|--------------------------|-------------|--------------|----------------|----------------------|---------|----------|---|
| GB-17 | SB1002:GB-17-S000015:412 | 8/7/01 | 0.0'-1.5' | Metals | Arsenic | 26 | mg/kg dw | 20 |
| | | | | | Barium | 300 | mg/kg dw | 5,900 |
| | | | | | Chromium | 14.3 | mg/kg dw | 120** |
| | | | | | Lead | 337 | mg/kg dw | 230 |
| | | | | SVOCs | Mercury | 0.445 | mg/kg dw | 32 |
| | | | | | Benzo(a)pyrene | 245 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 530 | ug/kg dw | 15,000 |
| | | | | | Chrysene | 434 | ug/kg dw | 25,000 |
| | | | | | Phenanthrene | 502 | ug/kg dw | 126,049,825*** |
| | | | | | Pyrene | 1,120 | ug/kg dw | 570,000 |
| Dry Weight | 88.9 | % | NS | | | | | |
| GB-19 | SB1002:GB-19-S000010:412 | 8/8/01 | 0.0'-1.0' | Metals | Arsenic | 34 | mg/kg dw | 20 |
| | | | | | Barium | 456 | mg/kg dw | 5,900 |
| | | | | | Cadmium | 2 | mg/kg dw | 77 |
| | | | | | Chromium | 22.4 | mg/kg dw | 120** |
| | | | | SVOCs | Lead | 429 | mg/kg dw | 230 |
| | | | | | Mercury | 0.588 | mg/kg dw | 32 |
| | | | | | Benzo(a)pyrene | 313 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 993 | ug/kg dw | 15,000 |
| | | | | | Chrysene | 527 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 722 | ug/kg dw | 880,000 |
| SVOCs | Phenanthrene | 421 | ug/kg dw | 126,049,825*** | | | | |
| | Pyrene | 681 | ug/kg dw | 570,000 | | | | |
| | Dry Weight | 88.5 | % | NS | | | | |
| | Barium | 54.6 | mg/kg dw | 5,900 | | | | |
| GB-20 | SB1002:GB20-S005020:428 | 8/7/01 | 0.5'-2.0' | Metals | Chromium | 5.5 | mg/kg dw | 120** |
| | | | | | Lead | 174 | mg/kg dw | 230 |
| | | | | | Mercury | 0.071 | mg/kg dw | 32 |
| | | | | | All Analytes | <RL | | |
| | | | | SVOCs | Dry Weight | 93.9 | % | NS |
| | | | | | Barium | 65.7 | mg/kg dw | 5,900 |
| | | | | | Chromium | 6.1 | mg/kg dw | 120** |
| | | | | | Lead | 79.7 | mg/kg dw | 230 |
| | | | | | Mercury | 0.081 | mg/kg dw | 32 |
| | | | | | All Analytes | <RL | | |
| GB-21 | SB1002:GB21-S010030:428 | 8/7/01 | 1.0'-3.0' | Metals | Dry Weight | 89.1 | % | NS |
| | | | | | Barium | 54.6 | mg/kg dw | 5,900 |
| | | | | SVOCs | Dry Weight | 89.1 | % | NS |
| | | | | | All Analytes | <RL | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | |
|--------------|-------------------------|-------------|----------------|--------------|----------------------|-------------------------|----------|---|--------|
| GB-22 | SB1002:GB22:S005020:428 | 8/7/01 | 0.5'-2.0' | Metals | Barium | 26.6 | mg/kg dw | 5,900 | |
| | | | | | Chromium | 6.8 | mg/kg dw | 120** | |
| | | | | | Lead | 15.6 | mg/kg dw | 230 | |
| | | | | | Mercury | 0.051 | mg/kg dw | 32 | |
| GB-23 | SB1002:GB23:S005020:428 | 8/7/01 | 0.5'-2.0' | SVOCs | Benzo(a)pyrene | 199 | ug/kg dw | 1,500 | |
| | | | | | Dry Weight | 88.3 | % | NS | |
| | | | | Metals | Barium | 36.1 | mg/kg dw | 5,900 | |
| | | | | | Chromium | 4.7 | mg/kg dw | 120** | |
| | | | | | Lead | 27.6 | mg/kg dw | 230 | |
| | | | | | Mercury | 0.059 | mg/kg dw | 32 | |
| | | | | SVOCs | Benzo(a)anthracene | 487 | ug/kg dw | 15,000 | |
| | | | | | Benzo(a)pyrene | 442 | ug/kg dw | 1,500 | |
| | | | | | Benzo(b)fluoranthene | 663 | ug/kg dw | 15,000 | |
| | | | | | Chrysene | 520 | ug/kg dw | 25,000 | |
| Fluoranthene | 845 | ug/kg dw | 880,000 | | | | | | |
| Phenanthrene | 462 | ug/kg dw | 126,049,825*** | | | | | | |
| Dry Weight | Pyrene | 820 | ug/kg dw | 570,000 | | | | | |
| | Dry Weight | 91.6 | % | NS | | | | | |
| GB-24 | SB1002:GB24:S005020:428 | 8/7/01 | 0.5'-2.0' | Metals | Arsenic | 35.9 | mg/kg dw | 20 | |
| | | | | | Barium | 114 | mg/kg dw | 5,900 | |
| | | | | | Chromium | 7.3 | mg/kg dw | 120** | |
| | | | | | Lead | 28 | mg/kg dw | 230 | |
| | | | | | Mercury | 0.08 | mg/kg dw | 32 | |
| | | | | | SVOCs | All Analytes | <RL | - | - |
| | | | | | | Dry Weight | 89.1 | % | NS |
| | | | | | GB-26 | SB1002:GB26:S020040:428 | 8/7/01 | 2.0'-4.0' | Metals |
| Chromium | 3.9 | mg/kg dw | 120** | | | | | | |
| Lead | 7.6 | mg/kg dw | 230 | | | | | | |
| Mercury | 0.011 | mg/kg dw | 32 | | | | | | |
| VOCs | All Analytes | <RL | - | - | | | | | |
| | SVOCs | <RL | - | - | | | | | |
| TPH | TPH - FTIR Non-aq | <RL | NS | NS | | | | | |
| | Dry Weight | 94.6 | % | NS | | | | | |
| Dry Weight | Dry Weight | 93.3 | % | NS | | | | | |
| | Dry Weight | 93.3 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|----------------------|---------------------------|-------------|----------------|--------------|----------------------|----------|----------|---|
| GB-27 | SBI002:GB27:S020040:428 | 8/7/01 | 2.0'-4.0' | Metals | Barium | 36 | mg/kg dw | 5,900 |
| | | | | | Chromium | 5.5 | mg/kg dw | 120** |
| | | | | | Lead | 33.6 | mg/kg dw | 230 |
| | | | | | Mercury | 0.227 | mg/kg dw | 32 |
| | SBI002:SB27A:S020040:505# | 8/23/01 | 2.0'-4.0' | SVOCs | All Analytes | <RL | - | - |
| | | | | | Benzo(a)anthracene | 753 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 815 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 1,170 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 506 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 960 | ug/kg dw | 25,000 |
| Fluoranthene | 2,130 | ug/kg dw | 880,000 | | | | | |
| Phenanthrene | 1,170 | ug/kg dw | 126,049,825*** | | | | | |
| Pyrene | 1,790 | ug/kg dw | 570,000 | | | | | |
| GB-28 | SBI002:GB27:S020040:428 | 8/7/01 | 2.0'-4.0' | TPH | TPH - FTIR Non-aq | <RL | NS | NS |
| | | | | | Dry Weight | 92.9 | % | NS |
| | SBI002:SB27A:S020040:505# | 8/23/01 | 2.0'-4.0' | Metals | Dry Weight | 88.6 | % | NS |
| | | | | | Dry Weight | 88.6 | % | NS |
| | SBI002:GB-28:S000020:412 | 8/7/01 | 0.0'-2.0' | SVOCs | Barium | 77.5 | mg/kg dw | 5,900 |
| | | | | | Chromium | 5.6 | mg/kg dw | 120** |
| | | | | | Lead | 39 | mg/kg dw | 230 |
| | | | | | Mercury | 0.068 | mg/kg dw | 32 |
| | | | | | Anthracene | 521 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 899 | ug/kg dw | 15,000 |
| Benzo(a)pyrene | | | | | 707 | ug/kg dw | 1,500 | |
| Benzo(b)fluoranthene | | | | | 1,320 | ug/kg dw | 15,000 | |
| Chrysene | 827 | ug/kg dw | 25,000 | | | | | |
| Fluoranthene | 1,340 | ug/kg dw | 880,000 | | | | | |
| Phenanthrene | 1,800 | ug/kg dw | 126,049,825*** | | | | | |
| Pyrene | 1,660 | ug/kg dw | 570,000 | | | | | |
| Dry Weight | 95.2 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | |
|------------------------|--------------------------|-------------|----------------|--------------|------------------------|---------|----------|---|------|----------|-----|
| GB-29 | SBI002:GB-29:S005015:412 | 8/7/01 | 0.5'-1.5' | Metals | Arsenic | 41.5 | mg/kg dw | 20 | | | |
| | | | | | Barium | 230 | mg/kg dw | 5,900 | | | |
| | | | | | Chromium | 22.9 | mg/kg dw | 120** | | | |
| | | | | | Lead | 225 | mg/kg dw | 230 | | | |
| | | | | | | | | Mercury | 4.17 | mg/kg dw | 32 |
| | | | | SVOCs | Acenaphthylene | 1,040 | ug/kg dw | 7,565,408*** | | | |
| | | | | | Anthracene | 999 | ug/kg dw | 51,000 | | | |
| | | | | | Benzo(a)anthracene | 2,570 | ug/kg dw | 15,000 | | | |
| | | | | | Benzo(a)pyrene | 2,620 | ug/kg dw | 1,500 | | | |
| | | | | | Benzo(b)fluoranthene | 5,110 | ug/kg dw | 15,000 | | | |
| | | | | | Benzo(k)fluoranthene | 2,380 | ug/kg dw | 39,000 | | | |
| | | | | | Chrysene | 3,370 | ug/kg dw | 25,000 | | | |
| | | | | | Fluoranthene | 4,580 | ug/kg dw | 880,000 | | | |
| Phenanthrene | 1,350 | ug/kg dw | 126,049,825*** | | | | | | | | |
| Pyrene | 6,650 | ug/kg dw | 570,000 | | | | | | | | |
| Dry Weight | 85.2 | % | NS | | | | | | | | |
| GB-30 | SBI002:GB30:S000020:428 | 8/7/01 | 0.0'-2.0' | Metals | Barium | 80.9 | mg/kg dw | 5,900 | | | |
| | | | | | Chromium | 9.3 | mg/kg dw | 120** | | | |
| | | | | | Lead | 22.9 | mg/kg dw | 230 | | | |
| | | | | | Mercury | 0.022 | mg/kg dw | 32 | | | |
| | | | | SVOCs | All Analytes | <RL | % | NS | | | |
| | | | | | Dry Weight | 89.7 | % | NS | | | |
| | | | | | | | | | | | |
| GB-31 | SBI002:GB-31:S000010:412 | 8/7/01 | 0.0'-1.0' | Metals | Arsenic | 6.7 | mg/kg dw | 20 | | | |
| | | | | | Barium | 370 | mg/kg dw | 5,900 | | | |
| | | | | | Cadmium | 2.2 | mg/kg dw | 77 | | | |
| | | | | | Chromium | 16.5 | mg/kg dw | 120** | | | |
| | | | | | | | | Lead | 429 | mg/kg dw | 230 |
| | | | | | | | | Mercury | 5.13 | mg/kg dw | 32 |
| | | | | SVOCs | Acenaphthene | 561 | ug/kg dw | 1,200,000 | | | |
| | | | | | Acenaphthylene | 7,060 | ug/kg dw | 7,565,408*** | | | |
| | | | | | Anthracene | 1,490 | ug/kg dw | 51,000 | | | |
| | | | | | Benzo(a)anthracene | 4,380 | ug/kg dw | 15,000 | | | |
| | | | | | Benzo(a)pyrene | 8,900 | ug/kg dw | 1,500 | | | |
| | | | | | Benzo(b)fluoranthene | 8,600 | ug/kg dw | 15,000 | | | |
| | | | | | Benzo(k)fluoranthene | 1,270 | ug/kg dw | 39,000 | | | |
| | | | | | Chrysene | 3,180 | ug/kg dw | 25,000 | | | |
| | | | | | Dibenzo(a,h)anthracene | 1,430 | ug/kg dw | 1,500 | | | |
| | | | | | Dibenzofuran | 637 | ug/kg dw | 4,716,192*** | | | |
| | | | | | Fluoranthene | 1,820 | ug/kg dw | 880,000 | | | |
| Fluorene | 1,620 | ug/kg dw | 1,100,000 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 2,370 | ug/kg dw | 3,100 | | | | | | | | |
| Phenanthrene | 5,340 | ug/kg dw | 126,049,825*** | | | | | | | | |
| Pyrene | 7,210 | ug/kg dw | 570,000 | | | | | | | | |
| Dry Weight | 82 | % | NS | | | | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | |
|--------------|--------------------------|-------------|----------------|--------------|----------------------|---------|----------|---|----|
| GB-32 | SBI002:GB-32:S000015:412 | 8/8/01 | 0.0'-1.5' | Metals | Barium | 59 | mg/kg dw | 5,900 | |
| | | | | | Chromium | 6.5 | mg/kg dw | 120** | |
| | | | | | Lead | 23 | mg/kg dw | 230 | |
| | | | | | Mercury | 0.014 | mg/kg dw | 32 | |
| | | | | SVOCs | Acenaphthene | 1,950 | ug/kg dw | 1,200,000 | |
| | | | | | Acenaphthylene | 780 | ug/kg dw | 7,565,408*** | |
| | | | | | Anthracene | 4,830 | ug/kg dw | 51,000 | |
| | | | | | Benzo(a)anthracene | 1,960 | ug/kg dw | 15,000 | |
| | | | | | Benzo(a)pyrene | 1,570 | ug/kg dw | 1,500 | |
| | | | | | Benzo(b)fluoranthene | 4,110 | ug/kg dw | 15,000 | |
| | | | | | Benzo(k)fluoranthene | 866 | ug/kg dw | 39,000 | |
| | | | | | Chrysene | 2,340 | ug/kg dw | 25,000 | |
| | | | | | Dibenzofuran | 1,170 | ug/kg dw | 4,716,192*** | |
| | | | | | Fluoranthene | 8,610 | ug/kg dw | 880,000 | |
| Fluorene | 2,250 | ug/kg dw | 1,100,000 | | | | | | |
| Naphthalene | 2,710 | ug/kg dw | 170,000 | | | | | | |
| Phenanthrene | 12,600 | ug/kg dw | 126,049,825*** | | | | | | |
| Pyrene | 11,300 | ug/kg dw | 570,000 | | | | | | |
| Dry Weight | | 95.4 | % | NS | | | | | |
| GB-33 | SBI002:GB-33:S000010:412 | 8/7/01 | 0.0'-1.0' | Metals | Arsenic | 9.7 | mg/kg dw | 20 | |
| | | | | | Barium | 238 | mg/kg dw | 5,900 | |
| | | | | | Chromium | 13 | mg/kg dw | 120** | |
| | | | | | Lead | 397 | mg/kg dw | 230 | |
| | | | | SVOCs | Mercury | 0.504 | mg/kg dw | 32 | |
| | | | | | Benzo(a)pyrene | 339 | ug/kg dw | 1,500 | |
| | | | | | Benzo(b)fluoranthene | 569 | ug/kg dw | 15,000 | |
| | | | | | Chrysene | 360 | ug/kg dw | 25,000 | |
| | | | | | Fluoranthene | 440 | ug/kg dw | 880,000 | |
| | | | | | Phenanthrene | 456 | ug/kg dw | 126,049,825*** | |
| | | | | | Dry Weight | | 92.9 | % | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | |
|-------------|--------------------------|-------------|--------------|------------------------|----------|----------|----------------|---|--------|----------|--------------|
| GB-34 | SBI002:GB-34:S000015:412 | 8/7/01 | 0.0'-1.5' | Metals | Arsenic | 34 | mg/kg dw | 20 | | | |
| | | | | | Barium | 89 | mg/kg dw | 5,900 | | | |
| | | | | | Chromium | 9.4 | mg/kg dw | 120** | | | |
| | | | | | Lead | 125 | mg/kg dw | 230 | | | |
| | | | | | | | | Mercury | 0.23 | mg/kg dw | 32 |
| | | | | | | | | Acenaphthene | 2,620 | ug/kg dw | 1,200,000 |
| | | | | | | | | Acenaphthylene | 1,430 | ug/kg dw | 7,565,408*** |
| | | | | | | | | Anthracene | 6,720 | ug/kg dw | 51,000 |
| | | | | | | | | Benzo(a)anthracene | 29,200 | ug/kg dw | 15,000 |
| | | | | | | | | Benzo(a)pyrene | 30,900 | ug/kg dw | 1,500 |
| | | | | | | | | Benzo(b)fluoranthene | 48,600 | ug/kg dw | 15,000 |
| | | | | | | | | Benzo(k)fluoranthene | 16,600 | ug/kg dw | 39,000 |
| | | | | | | | | Chrysene | 36,900 | ug/kg dw | 25,000 |
| | | | | | | | | Dibenzofuran | 2,530 | ug/kg dw | 1,500 |
| | | | | | | | | Dibenzofuran | 1,290 | ug/kg dw | 4,716,192*** |
| | | | | | | | | Fluoranthene | 435 | ug/kg dw | 880,000 |
| | | | | | | | | Fluorene | 2,130 | ug/kg dw | 1,100,000 |
| | | | | Indeno(1,2,3-cd)pyrene | 8,260 | ug/kg dw | 3,100 | | | | |
| | | | | Naphthalene | 879 | ug/kg dw | 170,000 | | | | |
| | | | | Phenanthrene | 55,600 | ug/kg dw | 126,049,825*** | | | | |
| | | | | Pyrene | 74,900 | ug/kg dw | 570,000 | | | | |
| | | | | Dry Weight | 88.7 | % | NS | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|--------------------|--------------------------|-------------|--------------|----------------|----------------------|----------|----------|---|
| GB-35 | SB1002:GB-35:S000015:412 | 8/7/01 | 0.0'-1.5' | Metals | Arsenic | 17.1 | mg/kg dw | 20 |
| | | | | | Barium | 170 | mg/kg dw | 5,900 |
| | | | | | Chromium | 13 | mg/kg dw | 120** |
| | | | | | Lead | 315 | mg/kg dw | 230 |
| | | | | SVOCs | Mercury | 0.635 | mg/kg dw | 32 |
| | | | | | Benzo(a)anthracene | 502 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 469 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 805 | ug/kg dw | 15,000 |
| | | | | | Chrysene | 548 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 874 | ug/kg dw | 880,000 |
| | | | | | Phenanthrene | 521 | ug/kg dw | 126,049,825*** |
| | | | | Pyrene | 1,010 | ug/kg dw | 570,000 | |
| | | | | Dry Weight | 87.6 | % | NS | |
| | | | | Metals | Arsenic | 13.3 | mg/kg dw | 20 |
| Barium | 136 | mg/kg dw | 5,900 | | | | | |
| Chromium | 17.1 | mg/kg dw | 120** | | | | | |
| Lead | 163 | mg/kg dw | 230 | | | | | |
| Mercury | 0.558 | mg/kg dw | 32 | | | | | |
| Anthracene | 497 | ug/kg dw | 51,000 | | | | | |
| Benzo(a)anthracene | 1,930 | ug/kg dw | 15,000 | | | | | |
| SVOCs | Benzo(a)pyrene | 1,920 | ug/kg dw | 1,500 | | | | |
| | Benzo(b)fluoranthene | 2,940 | ug/kg dw | 15,000 | | | | |
| | Benzo(k)fluoranthene | 1,060 | ug/kg dw | 39,000 | | | | |
| | Chrysene | 1,750 | ug/kg dw | 25,000 | | | | |
| | Fluoranthene | 3,170 | ug/kg dw | 880,000 | | | | |
| | Indeno(1,2,3-cd)pyrene | 393 | ug/kg dw | 3,100 | | | | |
| | Phenanthrene | 2,050 | ug/kg dw | 126,049,825*** | | | | |
| Dry Weight | 88.2 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | | | |
|--------------|--------------------------|-------------|----------------|--------------|-------------------|--------------------------|----------|---|------|----------------------|-------|----------|--------|
| GB-36 | SBI002:GB-36:S000020:412 | 8/10/01 | 0.0'-2.0' | Metals | Arsenic | 4.8 | mg/kg dw | 20 | | | | | |
| | | | | | Barium | 41.2 | mg/kg dw | 5,900 | | | | | |
| | | | | | Chromium | 6.7 | mg/kg dw | 120* | | | | | |
| GB-37 | SBI002:GB37:S000020:428 | 8/7/01 | 0.0'-2.0' | Metals | Lead | 11 | mg/kg dw | 230 | | | | | |
| | | | | | All Analytes | <RL | - | - | | | | | |
| | | | | | Dry Weight | 83.9 | % | NS | | | | | |
| GB-37 | SBI002:GB37:S000020:428 | 8/7/01 | 0.0'-2.0' | Metals | Barium | 51.8 | mg/kg dw | 5,900 | | | | | |
| | | | | | Chromium | 10 | mg/kg dw | 120** | | | | | |
| | | | | | Lead | 14.3 | mg/kg dw | 230 | | | | | |
| GB-37 | SBI002:GB37:S000020:428 | 8/7/01 | 0.0'-2.0' | Metals | Mercury | 0.022 | mg/kg dw | 32 | | | | | |
| | | | | | All Analytes | <RL | - | - | | | | | |
| | | | | | Dry Weight | 87.2 | % | NS | | | | | |
| GS-2 | SBI002:GS-2:S0005010:412 | 8/1/01 | 0.5'-1.0' | Metals | Barium | 32.7 | mg/kg dw | 5,900 | | | | | |
| | | | | | Chromium | 17 | mg/kg dw | 120** | | | | | |
| | | | | | Lead | 240 | mg/kg dw | 230 | | | | | |
| | | | | | Mercury | 0.059 | mg/kg dw | 32 | | | | | |
| | | | | | GS-2 | SBI002:GS-2:S0005010:412 | 8/1/01 | 0.5'-1.0' | VOCs | All Analytes | <RL | - | - |
| | | | | | | | | | | 2,4-Dimethylphenol | 662 | ug/kg dw | 25,000 |
| | | | | | | | | | | 2-Methylphenol | 702 | ug/kg dw | 39,000 |
| | | | | | | | | | | Anthracene | 1,250 | ug/kg dw | 51,000 |
| | | | | | | | | | | Benzo(a)anthracene | 1,420 | ug/kg dw | 15,000 |
| | | | | | | | | | | Benzo(a)pyrene | 2,820 | ug/kg dw | 1,500 |
| | | | | | | | | | | Benzo(k)fluoranthene | 1,060 | ug/kg dw | 39,000 |
| | | | | | | | | | | Chrysene | 3,310 | ug/kg dw | 25,000 |
| Dibenzofuran | 866 | ug/kg dw | 4,716,192*** | | | | | | | | | | |
| Naphthalene | 2,640 | ug/kg dw | 170,000 | | | | | | | | | | |
| Phenanthrene | 4,850 | ug/kg dw | 126,049,825*** | | | | | | | | | | |
| Pyrene | 1,360 | ug/kg dw | 320,000 | | | | | | | | | | |
| GS-2 | SBI002:GS-2:S0005010:412 | 8/1/01 | 0.5'-1.0' | TPH | TPH - FTIR Non-aq | 550 | ug/kg dw | 570,000 | | | | | |
| | | | | | Dry Weight | 87.8 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|-------------|-------------------------|-------------|--------------|--------------|----------------------|---------|----------|---|
| GS-3 | SBI002:GS-3:S005010:412 | 8/1/01 | 0.5'-1.0' | Metals | Arsenic | 33.3 | mg/kg dw | 20 |
| | | | | | Barium | 115 | mg/kg dw | 5,900 |
| | | | | | Chromium | 15.5 | mg/kg dw | 120** |
| | | | | | Lead | 259 | mg/kg dw | 230 |
| | | | | VOCs | Mercury | 0.058 | mg/kg dw | 32 |
| | | | | | All Analytes | <RL | -- | -- |
| | | | | | Benzo(a)anthracene | 379 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 269 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 562 | ug/kg dw | 15,000 |
| | | | | SVOCs | Chrysene | 445 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 598 | ug/kg dw | 880,000 |
| | | | | | Naphthalene | 363 | ug/kg dw | 170,000 |
| | | | | | Phenanthrene | 688 | ug/kg dw | 126,049,825*** |
| TPH | Pyrene | 856 | ug/kg dw | 570,000 | | | | |
| | TPH - FTIR Non-aq | <RL | NS | NS | | | | |
| | Dry Weight | 95.3 | % | NS | | | | |
| | Barium | 80.3 | mg/kg dw | 5,900 | | | | |
| Metals | Chromium | 80.2 | mg/kg dw | 120** | | | | |
| | Lead | 38.6 | mg/kg dw | 230 | | | | |
| | Mercury | 0.054 | mg/kg dw | 32 | | | | |
| | All Analytes | <RL | -- | -- | | | | |
| SVOCs | Phenanthrene | 409 | ug/kg dw | NS | | | | |
| | Pyrene | 351 | ug/kg dw | 570,000 | | | | |
| | TPH - FTIR Non-aq | <RL | NS | NS | | | | |
| | Dry Weight | 96 | % | NS | | | | |
| HA-1 | SBI002:HA-1:S000005:412 | 7/31/01 | 0.0'-0.5' | Metals | Arsenic | 13.4 | mg/kg dw | 20 |
| | | | | | Barium | 63.9 | mg/kg dw | 5,900 |
| | | | | | Cadmium | 4.4 | mg/kg dw | 77 |
| | | | | | Chromium | 33.8 | mg/kg dw | 120* |
| | | | | VOCs | Lead | 599 | mg/kg dw | 230 |
| | | | | | Mercury | 0.138 | mg/kg dw | 32 |
| | | | | | All Analytes | <RL | -- | -- |
| | | | | | SVOCs | <RL | -- | -- |
| | | | | TPH | All Analytes | <RL | -- | -- |
| | | | | | Dry Weight | 90.8 | % | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | | |
|----------------------------|-------------------------|-------------|---------------|--------------|-------------------------|---------|-----------|---|----------------------|-------|----------|--------|
| HA-2 | SBI002:HA-2-S000010:412 | 7/31/01 | 0.0'-1.0' | Metals | Arsenic | 18 | mg/kg dw | 20 | | | | |
| | | | | | Barium | 49.6 | mg/kg dw | 5,900 | | | | |
| | | | | | Chromium | 32.5 | mg/kg dw | 120** | | | | |
| | | | | | Lead | 449 | mg/kg dw | 230 | | | | |
| | | | | VOCs | Mercury | 0.114 | mg/kg dw | 32 | | | | |
| | | | | | All Analytes | <RL | -- | -- | | | | |
| | | | | HA-3 | SBI002:HA-3-S000010:412 | 7/31/01 | 0.0'-1.0' | SVOCs | Benzo(a)anthracene | 839 | ug/kg dw | 15,000 |
| | | | | | | | | | Benzo(a)pyrene | 748 | ug/kg dw | 1,500 |
| | | | | | | | | | Benzo(b)fluoranthene | 1,690 | ug/kg dw | 15,000 |
| | | | | | | | | | Benzo(k)fluoranthene | 362 | ug/kg dw | 39,000 |
| Bis(2-ethylhexyl)phthalate | 493 | ug/kg dw | 980,000 | | | | | | | | | |
| Chrysene | 1,560 | ug/kg dw | 25,000 | | | | | | | | | |
| Fluoranthene | 644 | ug/kg dw | 880,000 | | | | | | | | | |
| Naphthalene | 927 | ug/kg dw | 170,000 | | | | | | | | | |
| Phenanthrene | 1,170 | ug/kg dw | 126,049,825** | | | | | | | | | |
| Pyrene | 1,540 | ug/kg dw | 570,000 | | | | | | | | | |
| Dry Weight | | 95 | % | NS | | | | | | | | |
| HA-3 | SBI002:HA-3-S000010:412 | 7/31/01 | 0.0'-1.0' | SVOCs | Acenaphthylene | 1,000 | ug/kg dw | 7,565,408** | | | | |
| | | | | | Anthracene | 1,860 | ug/kg dw | 51,000 | | | | |
| | | | | | Benzo(a)anthracene | 2,830 | ug/kg dw | 15,000 | | | | |
| | | | | | Benzo(a)pyrene | 3,100 | ug/kg dw | 1,500 | | | | |
| | | | | | Benzo(k)fluoranthene | 1,910 | ug/kg dw | 39,000 | | | | |
| | | | | | Chrysene | 3,190 | ug/kg dw | 25,000 | | | | |
| | | | | | Dibenzofuran | 914 | ug/kg dw | 4,716,192** | | | | |
| | | | | | Fluoranthene | 3,770 | ug/kg dw | 880,000 | | | | |
| | | | | | Indeno(1,2,3-cd)pyrene | 584 | ug/kg dw | 3,100 | | | | |
| | | | | | Naphthalene | 1,300 | ug/kg dw | 170,000 | | | | |
| Phenanthrene | 5,440 | ug/kg dw | 126,049,825** | | | | | | | | | |
| Pyrene | 4,380 | ug/kg dw | 570,000 | | | | | | | | | |
| Dry Weight | | 78.7 | % | -- | | | | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|--------------|--------------------------|-------------|----------------|--------------|-------------------------|---------|----------|---|
| HA-4 | SBI002:HA-4:S000010:412 | 7/31/01 | 0.0'-1.0' | Metals | Arsenic | 11 | mg/kg dw | 20 |
| | | | | | Barium | 89.1 | mg/kg dw | 5,900 |
| | | | | | Chromium | 41 | mg/kg dw | 120** |
| | | | | | Lead | 45.5 | mg/kg dw | 230 |
| | | | | SVOCs | Mercury | 0.203 | mg/kg dw | 32 |
| | | | | | Acenaphthylene | 421 | ug/kg dw | 7,565,408*** |
| | | | | | Anthracene | 410 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 670 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 907 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 2450 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 633 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 783 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 1,020 | ug/kg dw | 880,000 |
| Phenanthrene | 0 | ug/kg dw | 126,049,825*** | | | | | |
| Pyrene | 1,820 | ug/kg dw | 570,000 | | | | | |
| Dry Weight % | 83.7 | % | NS | | | | | |
| HMW-1D | SBI002:HMW1D:S000020:505 | 7/31/01 | 0.0'-2.0' | Metals | Arsenic | 7.4 | mg/kg dw | 20 |
| | | | | | Barium | 194 | mg/kg dw | 5,900 |
| | | | | | Chromium | 9 | mg/kg dw | 120** |
| | | | | | Lead | 68 | mg/kg dw | 230 |
| | | | | VOCs | Mercury | 0.1 | mg/kg dw | 32 |
| | | | | | All Analytes | <RL | -- | -- |
| | | | | | Benzo(a)pyrene | 277 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 563 | ug/kg dw | 15,000 |
| | | | | | Fluoranthene | 586 | ug/kg dw | 880,000 |
| | | | | TPH | Phenanthrene | 357 | ug/kg dw | 126,049,825*** |
| | | | | | Pyrene | 544 | ug/kg dw | 570,000 |
| | | | | | TPH - GRO (Non-Aqueous) | <RL | NS | NS |
| | | | | | Dry Weight % | 93.2 | % | NS |
| HMW-2S | SBI002:HMW2S:S020020:428 | 8/2/01 | 0.0'-2.0' | Metals | Arsenic | 25 | mg/kg dw | 20 |
| | | | | | Barium | 58.6 | mg/kg dw | 5,900 |
| | | | | | Chromium | 5.3 | mg/kg dw | 120** |
| | | | | | Lead | 38.5 | mg/kg dw | 230 |
| | | | | VOCs | Mercury | 0.27 | mg/kg dw | 32 |
| | | | | | Toluene | 30.2 | ug/kg dw | 240,000 |
| | | | | | TPH | <RL | NS | NS |
| | | | | | TPH - GRO (Non Aqueous) | <RL | NS | NS |
| | | | | | TPH - FTIR Non-aq | <RL | NS | NS |
| | | | | Dry Weight % | 73.6 | % | NS | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|-------------|--------------------------|-------------|--------------|----------------|----------------------|--------------|----------|---|
| HMW-3S | SB1002:HMW3S:S060070:428 | 8/1/01 | 6.0'-7.0' | Metals | Barium | 26.6 | mg/kg dw | 5,900 |
| | | | | | Chromium | 7.8 | mg/kg dw | 120** |
| | | | | | Lead | 27.8 | mg/kg dw | 230 |
| | | | | | Mercury | 0.018 | mg/kg dw | 32 |
| | | | VOCs | All Analytes | <RL | | | |
| | | | Dry Weight | Dry Weight | 93 | % | NS | |
| | | | Metals | Barium | 8 | mg/kg dw | 5,900 | |
| | | | | Chromium | 7.3 | mg/kg dw | 120** | |
| | | | | Lead | 6.1 | mg/kg dw | 230 | |
| | | | VOCs | All Analytes | <RL | | | |
| | | | Dry Weight | Dry Weight | 96.6 | % | NS | |
| HMW-4S | SB1002:HMW4S:S000020:428 | 8/1/01 | 0.0'-2.0' | Metals | Arsenic | 15.8 | mg/kg dw | 20 |
| | | | | | Barium | 215 | mg/kg dw | 5,900 |
| | | | | | Chromium | 11 | mg/kg dw | 120** |
| | | | | | Lead | 426 | mg/kg dw | 230 |
| | | | | | Mercury | 1.1 | mg/kg dw | 32 |
| | | | | | All Analytes | <RL | | |
| | | | | | Anthracene | 466 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 1,120 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 913 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 1,610 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 531 | ug/kg dw | 39,000 |
| | Chrysene | 1,030 | ug/kg dw | 25,000 | | | | |
| | Fluoranthene | 1,850 | ug/kg dw | 880,000 | | | | |
| | Phenanthrene | 2,230 | ug/kg dw | 126,049,825*** | | | | |
| | Pyrene | 2,620 | ug/kg dw | 570,000 | | | | |
| | TPH - GRO (Non Aqueous) | <RL | | | | | | |
| | Dry Weight | 86.1 | % | NS | | | | |
| HMW-5S | SB1002:HMW5S:S000020:428 | 8/1/01 | 0.0'-2.0' | VOCs | All Analytes | <RL | | |
| | | | | | SVOCs | All Analytes | <RL | |
| | | | | | TPH | 160 | mg/kg dw | NS |
| | | | | | Dry Weight | 93.3 | % | NS |
| | | | | | TPH - FTIR Non-eq | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | | |
|-------------------------|--------------------------|--------------------------|--------------|-------------------------|--------------------------|--------------|-----------|---|----------|--------|----------|----------|
| HMW-6S | SBI002:HMW6S:S040060:505 | 8/2/01 | 4.0'-6.0' | Metals | Barium | 141 | mg/kg dw | 5,900 | | | | |
| | | | | | Chromium | 57.8 | mg/kg dw | 120** | | | | |
| | | | | | Lead | 77.6 | mg/kg dw | 230 | | | | |
| | | | | Mercury | Mercury | 0.036 | mg/kg dw | 32 | | | | |
| | | | | | VOCs | Acetone | 205 | ug/kg dw | 3100 | | | |
| | | | | | | Ethylbenzene | 5.6 | ug/kg dw | 200000 | | | |
| | | | | p-isopropyltoluene | | 13.1 | ug/kg dw | 21,884,454*** | | | | |
| | | | | n-Propylbenzene | | 6.2 | ug/kg dw | 704,658*** | | | | |
| | | | | Naphthalene | | 16.1 | ug/kg dw | 170000 | | | | |
| | | | | Toluene | | 12.7 | ug/kg dw | 240000 | | | | |
| | | | | SVOCs | 1,2,4-Trimethylbenzene | 51.7 | ug/kg dw | 215,329*** | | | | |
| | | | | | 1,3,5-Trimethylbenzene | 28 | ug/kg dw | 86,840*** | | | | |
| Xylenes, Total | 39.5 | ug/kg dw | 410,000 | | | | | | | | | |
| All Analytes | <RL | -- | -- | | | | | | | | | |
| PCBs | <RL | -- | -- | | | | | | | | | |
| TPH | <RL | NS | NS | | | | | | | | | |
| TPH - GRO (Non Aqueous) | <RL | NS | NS | | | | | | | | | |
| Dry Weight | 90.6 | % | NS | | | | | | | | | |
| HMW-6D | SBI002:HMW6S:S180200:505 | 8/2/01 | 18.0'-20.0' | Metals | Barium | 10 | mg/kg dw | 5,900 | | | | |
| | | | | | Chromium | 6.2 | mg/kg dw | 120** | | | | |
| | | | | | Lead | 5.9 | mg/kg dw | 230 | | | | |
| | | | | VOCs | Toluene | 6.9 | ug/kg dw | 240,000 | | | | |
| | | | | | SVOCs | All Analytes | <RL | -- | | | | |
| | | | | | | PCBs | <RL | -- | | | | |
| | | | | TPH | | <RL | NS | | | | | |
| | | | | TPH - GRO (Non Aqueous) | <RL | NS | | | | | | |
| | | | | Dry Weight | 95 | % | NS | | | | | |
| | | | | HMW-6D | SBI002:HMW6D:S000020:505 | 8/1/01 | 0.0'-2.0' | Metals | Arsenic | 12.7 | mg/kg dw | 20 |
| | | | | | | | | | Barium | 299 | mg/kg dw | 5,900 |
| | | | | | | | | | Chromium | 65.4 | mg/kg dw | 120** |
| Mercury | Lead | 124 | mg/kg dw | | | | | 230 | | | | |
| | Mercury | 0.151 | mg/kg dw | | | | | 32 | | | | |
| | VOCs | All Analytes | <RL | | | | | -- | | | | |
| SVOCs | | <RL | -- | | | | | | | | | |
| TPH | | <RL | NS | | | | | | | | | |
| TPH - GRO (Non Aqueous) | | <RL | NS | | | | | | | | | |
| Dry Weight | | 96.4 | % | | | | | NS | | | | |
| HMW-7S | | SBI002:HMW7S:S000020:428 | 8/7/01 | | | | | 0.0'-2.0' | Metals | Barium | 496 | mg/kg dw |
| | Chromium | | | | | | | | | 9.6 | mg/kg dw | 120** |
| | Lead | | | 388 | mg/kg dw | 230 | | | | | | |
| | Mercury | | | Mercury | 0.158 | mg/kg dw | 32 | | | | | |
| | | | | VOCs | All Analytes | <RL | -- | | | | | |
| | | | | | Dry Weight | 77.8 | % | | NS | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | | |
|-------------|---------------------------|-------------|--------------|-------------------------|----------------------|----------|----------|---|----------|------|----------|-------|
| HMW-8D | SBI002:HMW8D:S010020:505 | 8/9/01 | 1.0'-2.0' | Metals | Barium | 14.3 | mg/kg dw | 5,900 | | | | |
| | | | | | Chromium | 3.7 | mg/kg dw | 120** | | | | |
| | | | | | Lead | 11 | mg/kg dw | 230 | | | | |
| | | | | | Mercury | 0.055 | mg/kg dw | 32 | | | | |
| | | | | VOCs | All Analytes | <RL | - | - | | | | |
| | | | | Dry Weight | Dry Weight | 95.6 | % | NS | | | | |
| HMW-9D | SBI002:HMW-9D:S000020:505 | 8/15/01 | 0.0'-2.0' | Metals | Arsenic | 4.4 | mg/kg dw | 20 | | | | |
| | | | | | Barium | 51.3 | mg/kg dw | 5,900 | | | | |
| | | | | | Chromium | 4.7 | mg/kg dw | 120** | | | | |
| | | | | | Lead | 52.7 | mg/kg dw | 230 | | | | |
| | | | | | Mercury | 0.082 | mg/kg dw | 32 | | | | |
| | | | | | Tetrachloroethene | 50.1 | ug/kg dw | 640 | | | | |
| | | | | | Dry Weight | 93.2 | % | NS | | | | |
| | | | | | | | | | Arsenic | 4.8 | mg/kg dw | 20 |
| | | | | | | | | | Barium | 47.3 | mg/kg dw | 5,900 |
| | | | | | | | | | Chromium | 5 | mg/kg dw | 120** |
| | | | | Lead | 47.3 | mg/kg dw | 230 | | | | | |
| | | | | Mercury | 0.082 | mg/kg dw | 32 | | | | | |
| | | | | Tetrachloroethene | 83.9 | ug/kg dw | 640 | | | | | |
| | | | | Dry Weight | 94 | % | NS | | | | | |
| | | | | TOC | 0.17 | % | NS | | | | | |
| HMW-9I | SBI002:HMW9D:300320:505 | 8/15/01 | 30.0'-32.0' | VOCs | Carbon tetrachloride | 158 | ug/kg dw | 290 | | | | |
| | | | | | Chloroform | 45.5 | ug/kg dw | 1,200 | | | | |
| | | | | | Tetrachloroethene | 4,740 | ug/kg dw | 640 | | | | |
| | | | | | Benzo(a)anthracene | 746 | ug/kg dw | 15,000 | | | | |
| | | | | | Benzo(a)pyrene | 613 | ug/kg dw | 1,500 | | | | |
| | | | | | Benzo(b)fluoranthene | 989 | ug/kg dw | 15,000 | | | | |
| | | | | | Chrysene | 743 | ug/kg dw | 25,000 | | | | |
| | | | | | Fluoranthene | 1,590 | ug/kg dw | 880,000 | | | | |
| | | | | | Phenanthrene | 2,020 | ug/kg dw | 126,049,825*** | | | | |
| | | | | | Pyrene | 1,310 | ug/kg dw | 570,000 | | | | |
| | | | | TPH - GRO (Non Aqueous) | <RL | NS | NS | | | | | |
| | | | | Dry Weight | 88.7 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|-------------|----------------------------|-------------|--------------|--------------|-----------------------|----------|----------|---|
| HMW-10S | SBI002:HMW10S:S040050:428 | 8/7/01 | 4.0'-5.0' | VOCs | Tetrachloroethene | 16 | ug/kg dw | 640 |
| | | | | | Benzo(a)anthracene | 524 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 246 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 602 | ug/kg dw | 15,000 |
| | | | | | Chrysene | 720 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 615 | ug/kg dw | 880,000 |
| | | | | | Naphthalene | 489 | ug/kg dw | 170,000 |
| | | | | | Pyrene | 600 | ug/kg dw | 570,000 |
| | | | | | TPH - DRO Non-Aqueous | 931 | mg/kg dw | NS |
| | | | | | Dry Weight | 87 | % | NS |
| HMW-11D | SBI002:HMW10S:S100110:428 | 8/7/01 | 10.0'-11.0' | VOCs | All Analytes | <RL | -- | -- |
| | | | | | TPH | 42.4 | mg/kg dw | NS |
| | | | | | Dry Weight | 84.6 | % | NS |
| | | | | | Barium | 99.5 | mg/kg dw | 5,900 |
| | | | | | Chromium | 11.4 | mg/kg dw | 120** |
| | | | | | Lead | 177 | mg/kg dw | 230 |
| HMW-12D | SBI002:HMW-12D:S020040:505 | 8/14/01 | 2.0'-4.0' | VOCs | All Analytes | 0.159 | mg/kg dw | 32 |
| | | | | | Dry Weight | <RL | -- | -- |
| | | | | | 93.1 | % | NS | |
| | | | | | Arsenic | 4.9 | mg/kg dw | 20 |
| | | | | | Barium | 58 | mg/kg dw | 5,900 |
| | | | | | Chromium | 8.4 | mg/kg dw | 120** |
| HMW-12S | SBI002:HMW-12D:S000020:505 | 8/13/01 | 0.0'-2.0' | VOCs | All Analytes | 0.11 | mg/kg dw | 32 |
| | | | | | Dry Weight | <RL | -- | -- |
| | | | | | 91.6 | % | NS | |
| | | | | | TOC | 0.047 | % | NS |
| | | | | | Barium | 176 | mg/kg dw | 5,900 |
| | | | | | Chromium | 6.4 | mg/kg dw | 120** |
| HMW-13S | SBI002:HMW12S:S005020:428 | 8/14/01 | 0.5'-2.0' | VOCs | Tetrachloroethene | 0.089 | ug/kg dw | 32 |
| | | | | | TPH | 19.6 | ug/kg dw | 640 |
| | | | | | Dry Weight | <RL | NS | |
| | | | | | 88.8 | % | NS | |
| | | | | | 39 | ug/kg dw | 240,000 | |
| | | | | | All Analytes | <RL | NS | |
| HMW-13S | SBI002:HMW13S:S060070:428 | 8/2/01 | 6.0'-7.0' | VOCs | TPH - DRO Non-Aqueous | <RL | NS | NS |
| | | | | | TPH - FTIR Non-aq | <RL | NS | NS |
| | | | | | Dry Weight | 96.9 | % | NS |
| | | | | | Acetone | 140 | ug/kg dw | 3,100 |
| | | | | | Toluene | 8.9 | ug/kg dw | 240,000 |
| | | | | | All Analytes | <RL | NS | NS |
| HMW-13S | SBI002:HMW13S:S140150:428 | 8/2/01 | 14.0'-15.0' | VOCs | TPH - DRO Non-Aqueous | <RL | NS | NS |
| | | | | | TPH - FTIR Non-aq | <RL | NS | NS |
| | | | | | Dry Weight | 81.6 | % | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|-------------|----------------------------|-------------|--------------|----------------|------------------------|---------|----------|---|
| HMW-13D | SBI002:HMW13D:S005020:428 | 8/14/01 | 0.5'-2.0' | Metals | Arsenic | 5,210 | ug/kg dw | 20,000 |
| | | | | | Barium | 156,000 | ug/kg dw | 59,000,000 |
| | | | | | Chromium | 5,020 | ug/kg dw | 120,000* |
| | | | | | Lead | 230,000 | ug/kg dw | 230,000 |
| | | | | | Mercury | 0.121 | mg/kg dw | 32 |
| | | | | VOCs | Tetrachloroethene | 65.6 | ug/kg dw | 640 |
| | | | | | Xylenes, Total | 7.1 | ug/kg dw | 410,000 |
| | | | | | Dry Weight | 89.3 | % | NS |
| | | | | | All Analytes | <RL | -- | -- |
| | | | | | | | | |
| HMW-14S | SBI001:HMW-14S:S010015:412 | 8/15/01 | 1.0'-1.5' | SVOCs | Benzo(a)anthracene | 1,220 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 1,390 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 1,700 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 626 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 1,160 | ug/kg dw | 25,000 |
| | | | | PCBs | Fluoranthene | 1,790 | ug/kg dw | 880,000 |
| | | | | | Indeno(1,2,3-cd)pyrene | 484 | ug/kg dw | 3,100 |
| | | | | | Phenanthrene | 509 | ug/kg dw | 126,049,825*** |
| | | | | | Pyrene | 1,550 | ug/kg dw | 570,000 |
| | | | | | All Analytes | <RL | -- | -- |
| HMW-14S | SBI001:HMW-14S:S040050:412 | 8/15/01 | 4.0'-5.0' | TPH | TPH - FTIR Non-aq | 182 | mg/kg dw | NS |
| | | | | | Dry Weight | 93.3 | % | NS |
| | | | | | All Analytes | <RL | -- | -- |
| | | | | | | | | |
| | | | | | | | | |
| | | | | SVOCs | Anthracene | 396 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 1,100 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 1,020 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 1,910 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 533 | ug/kg dw | 39,000 |
| PCBs | Chrysene | 1,060 | ug/kg dw | 25,000 | | | | |
| | Fluoranthene | 2,800 | ug/kg dw | 880,000 | | | | |
| | Phenanthrene | 1,570 | ug/kg dw | 126,049,825*** | | | | |
| | Pyrene | 1,730 | ug/kg dw | 570,000 | | | | |
| | All Analytes | <RL | -- | -- | | | | |
| HMW-14S | SBI001:HMW-14S:S190210:412 | 8/15/01 | 19.0'-21.0' | TPH | TPH - FTIR Non-aq | 1,660 | mg/kg dw | NS |
| | | | | | Dry Weight | 90.5 | % | NS |
| | | | | | All Analytes | <RL | -- | -- |
| | | | | | | | | |
| | | | | | | | | |
| | | | | SVOCs | Anthracene | 396 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 1,100 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 1,020 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 1,910 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 533 | ug/kg dw | 39,000 |
| PCBs | Chrysene | 1,060 | ug/kg dw | 25,000 | | | | |
| | Fluoranthene | 2,800 | ug/kg dw | 880,000 | | | | |
| | Phenanthrene | 1,570 | ug/kg dw | 126,049,825*** | | | | |
| | Pyrene | 1,730 | ug/kg dw | 570,000 | | | | |
| | All Analytes | <RL | -- | -- | | | | |
| HMW-14S | SBI001:HMW-14S:S210230:412 | 8/15/01 | 21.0'-23.0' | TPH | TPH - FTIR Non-aq | 96.6 | mg/kg dw | NS |
| | | | | | Dry Weight | 96.6 | % | NS |
| | | | | | All Analytes | <RL | -- | -- |
| | | | | | | | | |
| | | | | | | | | |
| | | | | SVOCs | Anthracene | 396 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 1,100 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 1,020 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 1,910 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 533 | ug/kg dw | 39,000 |
| PCBs | Chrysene | 1,060 | ug/kg dw | 25,000 | | | | |
| | Fluoranthene | 2,800 | ug/kg dw | 880,000 | | | | |
| | Phenanthrene | 1,570 | ug/kg dw | 126,049,825*** | | | | |
| | Pyrene | 1,730 | ug/kg dw | 570,000 | | | | |
| | All Analytes | <RL | -- | -- | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | | | |
|------------------------|-----------------------------|-------------|----------------|--------------|------------------------|---------------------------|----------|---|-----|-------------------|------|---|----|
| HMW-14D | SB1001:HMW-14SD:S010015:412 | 8/15/01 | 1.0'-1.5' | VOCs | All Analytes | <RL | - | - | | | | | |
| | | | | | Benzo(a)anthracene | 906 | ug/kg dw | 15,000 | | | | | |
| | | | | | Benzo(a)pyrene | 988 | ug/kg dw | 1,500 | | | | | |
| | | | | | Benzo(b)fluoranthene | 1,410 | ug/kg dw | 15,000 | | | | | |
| | | | | | Benzo(k)fluoranthene | 420 | ug/kg dw | 39,000 | | | | | |
| | | | | | Chrysene | 839 | ug/kg dw | 25,000 | | | | | |
| | | | | | Fluoranthene | 1,340 | ug/kg dw | 880,000 | | | | | |
| | | | | | Phenanthrene | 406 | ug/kg dw | 126,049,825*** | | | | | |
| | | | | | Pyrene | 1,240 | ug/kg dw | 570,000 | | | | | |
| | | | | | All Analytes | <RL | - | - | | | | | |
| TPH | 1,500 | mg/kg dw | NS | | | | | | | | | | |
| Dry Weight | 93.3 | % | NS | | | | | | | | | | |
| HMW-15S | SB1002:HMW15S:S040050:428 | 8/23/01 | 4.0'-5.0' | VOCs | All Analytes | <RL | - | - | | | | | |
| | | | | | Acenaphthylene | 418 | ug/kg dw | 7,565,408*** | | | | | |
| | | | | | Anthracene | 2,660 | ug/kg dw | 51,000 | | | | | |
| | | | | | Benzo(a)anthracene | 7,880 | ug/kg dw | 15,000 | | | | | |
| | | | | | Benzo(a)pyrene | 7,610 | ug/kg dw | 1,500 | | | | | |
| | | | | | Benzo(b)fluoranthene | 10,800 | ug/kg dw | 15,000 | | | | | |
| | | | | | Benzo(k)fluoranthene | 2,990 | ug/kg dw | 39,000 | | | | | |
| | | | | | Chrysene | 7,670 | ug/kg dw | 25,000 | | | | | |
| | | | | | Dibenzo(a,h)anthracene | 410 | ug/kg dw | 1,500 | | | | | |
| | | | | | Dibenzoturan | 450 | ug/kg dw | 4,716,192*** | | | | | |
| Fluoranthene | 13,500 | ug/kg dw | 880,000 | | | | | | | | | | |
| Fluorene | 636 | ug/kg dw | 1,100,000 | | | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 1,180 | ug/kg dw | 3,100 | | | | | | | | | | |
| Phenanthrene | 6,660 | ug/kg dw | 126,049,825*** | | | | | | | | | | |
| Pyrene | 15,500 | ug/kg dw | 570,000 | | | | | | | | | | |
| TPH | 534 | mg/kg dw | NS | | | | | | | | | | |
| Dry Weight | 91.7 | % | NS | | | | | | | | | | |
| HMW-16D | SB1002:HMW15S:S080090:428 | 8/23/01 | 8.0'-9.0' | VOCs | All Analytes | <RL | - | - | | | | | |
| | | | | | Benzo(a)anthracene | 829 | ug/kg dw | 15,000 | | | | | |
| | | | | | Benzo(a)pyrene | 721 | ug/kg dw | 1,500 | | | | | |
| | | | | | Benzo(b)fluoranthene | 944 | ug/kg dw | 15,000 | | | | | |
| | | | | | Chrysene | 790 | ug/kg dw | 25,000 | | | | | |
| | | | | | Fluoranthene | 1,450 | ug/kg dw | 880,000 | | | | | |
| | | | | | Phenanthrene | 667 | ug/kg dw | 126,049,825*** | | | | | |
| | | | | | Pyrene | 1,290 | ug/kg dw | 570,000 | | | | | |
| | | | | | TPH | 408 | mg/kg dw | NS | | | | | |
| | | | | | Dry Weight | 89 | % | NS | | | | | |
| HMW-16D | SB1002:MMW16D:S010020:480 | 8/22/01 | 1.0'-2.0' | VOCs | All Analytes | <RL | - | - | | | | | |
| | | | | | Benzo(a)anthracene | 829 | ug/kg dw | 15,000 | | | | | |
| | | | | | Benzo(a)pyrene | 721 | ug/kg dw | 1,500 | | | | | |
| | | | | | Benzo(b)fluoranthene | 944 | ug/kg dw | 15,000 | | | | | |
| | | | | | Chrysene | 790 | ug/kg dw | 25,000 | | | | | |
| | | | | | Fluoranthene | 1,450 | ug/kg dw | 880,000 | | | | | |
| | | | | | Phenanthrene | 667 | ug/kg dw | 126,049,825*** | | | | | |
| | | | | | Pyrene | 1,290 | ug/kg dw | 570,000 | | | | | |
| | | | | | TPH - DRO Non-Aqueous | 408 | mg/kg dw | NS | | | | | |
| | | | | | Dry Weight | 89 | % | NS | | | | | |
| HMW-16D | SB1002:MMW16D:S041055:480 | 8/22/01 | 4.1'-5.5' | VOCs | All Analytes | <RL | - | - | | | | | |
| | | | | | Benzo(a)anthracene | 829 | ug/kg dw | 15,000 | | | | | |
| | | | | | Benzo(a)pyrene | 721 | ug/kg dw | 1,500 | | | | | |
| | | | | | Benzo(b)fluoranthene | 944 | ug/kg dw | 15,000 | | | | | |
| | | | | | Chrysene | 790 | ug/kg dw | 25,000 | | | | | |
| | | | | | Fluoranthene | 1,450 | ug/kg dw | 880,000 | | | | | |
| | | | | | Phenanthrene | 667 | ug/kg dw | 126,049,825*** | | | | | |
| | | | | | Pyrene | 1,290 | ug/kg dw | 570,000 | | | | | |
| | | | | | TPH - DRO Non-Aqueous | 408 | mg/kg dw | NS | | | | | |
| | | | | | Dry Weight | 89 | % | NS | | | | | |
| HMW-16D | SB1002:MMW16D:S041055:480 | 8/22/01 | 4.1'-5.5' | TPH | TPH - FTIR Non-aq | <RL | - | - | | | | | |
| | | | | | Dry Weight | 93.1 | % | NS | | | | | |
| | | | | | HMW-16D | SB1002:MMW16D:S041055:480 | 8/22/01 | 4.1'-5.5' | TPH | TPH - FTIR Non-aq | <RL | - | - |
| | | | | | | | | | | Dry Weight | 93.1 | % | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|-------------|---------------------------|-------------|--------------|----------------|------------------------|---------|----------|---|
| HMW-17D | SBI002:MMW17D:S005020:428 | 8/27/01 | 0.5'-2.0' | Metals | Barium | 22.1 | mg/kg dw | 5,900 |
| | | | | | Chromium | 4.7 | mg/kg dw | 120** |
| | | | | | Lead | 13.4 | mg/kg dw | 230 |
| | | | | | Mercury | 0.038 | mg/kg dw | 32 |
| HMW-18S | SBI002:HMW18S:S000010:412 | 8/14/01 | 0.0'-1.0' | VOCs | 1,1,1-Trichloroethane | 10 | ug/kg dw | 300 |
| | | | | Dry Weight | | 95.2 | % | NS |
| | | | | VOCs | Tetrachloroethene | 31.8 | ug/kg dw | 640 |
| | | | | | Anthracene | 1,670 | ug/kg dw | 51,000 |
| | | | | | Benzo(a)anthracene | 5,510 | ug/kg dw | 15,000 |
| | | | | | Benzo(a)pyrene | 5,260 | ug/kg dw | 1,500 |
| | | | | | Benzo(b)fluoranthene | 7,920 | ug/kg dw | 15,000 |
| | | | | | Benzo(k)fluoranthene | 3,110 | ug/kg dw | 39,000 |
| | | | | | Chrysene | 5,280 | ug/kg dw | 25,000 |
| | | | | | Fluoranthene | 10,300 | ug/kg dw | 880,000 |
| | | | | | Fluorene | 477 | ug/kg dw | 1,100,000 |
| | | | | | Indeno(1,2,3-cd)pyrene | 820 | ug/kg dw | 3,100 |
| | | | | | Phenanthrene | 8,200 | ug/kg dw | 126,049,825*** |
| | | | | | Pyrene | 11,800 | ug/kg dw | 570,000 |
| HMW-19S | SBI002:HMW18S:S230250:412 | 8/14/01 | 23.0'-25.0' | TPH | TPH - DRO Non-Aqueous | 528 | mg/kg dw | NS |
| | | | | | TPH - FTIR Non-aq | 395 | mg/kg dw | NS |
| | | | | Dry Weight | | 89.6 | % | NS |
| | | | | VOCs | Tetrachloroethene | 9.7 | ug/kg dw | 640 |
| | | | | TPH | All Analytes | <RL | | NS |
| | | | | Dry Weight | | 11.8 | mg/kg dw | NS |
| | | | | | TPH - DRO Non-Aqueous | 11.8 | mg/kg dw | NS |
| | | | | | Dry Weight | 95.4 | % | NS |
| | | | | | Barium | 69.7 | mg/kg dw | 5,900 |
| | | | | | Chromium | 5.7 | mg/kg dw | 120** |
| | Lead | 89.4 | mg/kg dw | 230 | | | | |
| | Mercury | 1.14 | mg/kg dw | 32 | | | | |
| | All Analytes | <RL | | -- | | | | |
| | Benzo(a)anthracene | 821 | ug/kg dw | 15,000 | | | | |
| | Benzo(a)pyrene | 779 | ug/kg dw | 1,500 | | | | |
| | Benzo(b)fluoranthene | 1,300 | ug/kg dw | 15,000 | | | | |
| | Benzo(k)fluoranthene | 414 | ug/kg dw | 39,000 | | | | |
| | Chrysene | 909 | ug/kg dw | 25,000 | | | | |
| | Fluoranthene | 1,480 | ug/kg dw | 880,000 | | | | |
| | Phenanthrene | 1,330 | ug/kg dw | 126,049,825*** | | | | |
| | Pyrene | 1,790 | ug/kg dw | 570,000 | | | | |
| | TPH | <RL | NS | NS | | | | |
| | Dry Weight | 89.4 | % | NS | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use |
|-------------|---------------------------|-------------|--------------|--------------|-------------------------|---------|----------|---|
| HMW-19D | SBI002:HMW19D:S080095:428 | 8/22/01 | 8.0'-9.5' | Metals | Barium | 8.83 | mg/kg dw | 5,900 |
| | | | | VOCs | Chromium | 2.8 | mg/kg dw | 120** |
| | | | | Dry Weight | All Analytes | <RL | | |
| HMW-20S | SBI002:HMW20S:S000020:428 | 8/6/01 | 0.0'-2.0' | Metals | Arsenic | 90.5 | % | NS |
| | | | | VOCs | Barium | 5.7 | mg/kg dw | 20 |
| | | | | Dry Weight | Chromium | 16.3 | mg/kg dw | 5,900 |
| | | | | Metals | Chromium | 5.1 | mg/kg dw | 120* |
| | | | | VOCs | Lead | 8 | mg/kg dw | 230 |
| | | | | Dry Weight | Mercury | 0.012 | mg/kg dw | 32 |
| HMW-21D | SBI002:HMW21D:S005020:428 | 8/13/01 | 0.5'-2.0' | VOCs | All Analytes | <RL | | |
| | | | | Dry Weight | Dry Weight | 91.5 | % | NS |
| | | | | VOCs | All Analytes | <RL | | |
| | | | | SVOCS | All Analytes | <RL | | |
| | | | | TPH | TPH - GRO (Non-Aqueous) | <RL | | |
| | | | | Dry Weight | Dry Weight | 88.2 | % | NS |
| HMW-22D | SBI002:HMW22D:S000020:505 | 8/6/01 | 0.0'-2.0' | VOCs | All Analytes | <RL | | |
| | | | | Dry Weight | Dry Weight | 64 | mg/kg dw | NS |
| | | | | SVOCS | All Analytes | <RL | | |
| | | | | TPH | TPH - FTIR Non-aq | 94.6 | % | NS |
| | | | | Dry Weight | Dry Weight | 21.4 | mg/kg dw | 20 |
| | | | | Metals | Arsenic | 115 | mg/kg dw | 5,900 |
| HMW-23S | SBI002:HMW23S:S100115:428 | 8/8/01 | 10.0'-11.5' | Metals | Barium | 10 | mg/kg dw | 120** |
| | | | | VOCs | Chromium | 74 | mg/kg dw | 230 |
| | | | | Dry Weight | Lead | 0.243 | mg/kg dw | 32 |
| | | | | VOCs | Mercury | 91.6 | % | NS |
| | | | | Dry Weight | Dry Weight | <RL | | |
| | | | | SVOCS | All Analytes | <RL | | |
| HMW-23D | SBI002:HMW23D:S000020:428 | 8/17/01 | 0.0'-2.0' | TOC | TOC | 0.036 | % | NS |
| | | | | VOCs | All Analytes | <RL | | |
| | | | | Dry Weight | Dry Weight | <RL | | |
| | | | | SVOCS | All Analytes | <RL | | |
| | | | | TPH | TPH - GRO (Non-Aqueous) | 82.4 | % | NS |
| | | | | Dry Weight | Dry Weight | <RL | | |
| HMW-23D | SBI002:HMW23S:S100115:428 | 8/8/01 | 10.0'-11.5' | VOCs | All Analytes | <RL | | |
| | | | | Dry Weight | Dry Weight | 93.3 | % | NS |
| | | | | SVOCS | All Analytes | <RL | | |
| | | | | TPH | TPH - GRO (Non-Aqueous) | 44.5 | mg/kg dw | 5,900 |
| | | | | Dry Weight | Dry Weight | 7.4 | mg/kg dw | 120** |
| | | | | Metals | Chromium | 23.3 | mg/kg dw | 230 |
| HMW-23D | SBI002:HMW23D:S000020:428 | 8/17/01 | 0.0'-2.0' | VOCs | Lead | 0.019 | mg/kg dw | 32 |
| | | | | Dry Weight | Dry Weight | <RL | | |
| | | | | SVOCS | All Analytes | <RL | | |
| | | | | TPH | TPH - DRO Non-Aqueous | 95.8 | mg/kg dw | NS |
| | | | | Dry Weight | Dry Weight | 85.7 | % | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | | | |
|-------------|---------------------------|-------------|--------------|--------------|-------------------------|---------|----------|---|------------|-------------------|------|----|----|
| HMW-24D | SBI002:HMW24D:S005020:428 | 8/21/01 | 0.5'-2.0' | Metals | Arsenic | 9.2 | mg/kg dw | 20 | | | | | |
| | | | | | Barium | 833 | mg/kg dw | 5,900 | | | | | |
| | | | | | Chromium | 26 | mg/kg dw | 120** | | | | | |
| | | | | | Lead | 5,970 | mg/kg dw | 230 | | | | | |
| | | | | | Mercury | 0.558 | mg/kg dw | 32 | | | | | |
| | | | | VOCs | All Analytes | <RL | - | | | | | | |
| | | | | Dry Weight | Dry Weight | 85.2 | % | NS | | | | | |
| HMW-25S | SBI002:HMW25S:S010025:412 | 8/10/01 | 1.0'-2.5' | Metals | Barium | 1,260 | mg/kg dw | 5,900 | | | | | |
| | | | | | Chromium | 30 | mg/kg dw | 120* | | | | | |
| | | | | | Lead | 13,600 | mg/kg dw | 230 | | | | | |
| | | | | | Mercury | 0.821 | mg/kg dw | 32 | | | | | |
| | | | | | | | | | VOCs | All Analytes | <RL | - | |
| | | | | Dry Weight | Dry Weight | 85 | % | NS | | | | | |
| HMW-26S | SBI002:HMW26S:S015025:412 | 8/9/01 | 1.5'-2.5' | Metals | Barium | 134 | mg/kg dw | 5,900 | | | | | |
| | | | | | Chromium | 8.2 | mg/kg dw | 120** | | | | | |
| | | | | | Lead | 47.4 | mg/kg dw | 230 | | | | | |
| | | | | | Mercury | 0.208 | mg/kg dw | 32 | | | | | |
| | | | | | | | | | VOCs | All Analytes | <RL | - | |
| | | | | | | | | | SVOCs | All Analytes | <RL | - | |
| | | | | | | | | | PCBs | All Analytes | <RL | - | |
| | | | | | | | | | TPH | TPH - FTIR Non-aq | <RL | NS | |
| | | | | | | | | | Dry Weight | Dry Weight | 85.7 | % | NS |
| | | | | | | | | | VOCs | All Analytes | <RL | - | |
| | | | | | | | | | SVOCs | All Analytes | <RL | - | |
| | | | | | | | | | PCBs | All Analytes | <RL | - | |
| | | | | | | | | | TPH | TPH - FTIR Non-aq | <RL | NS | |
| | | | | TOC | TOC | 0.18 | % | NS | | | | | |
| | | | | Metals | Barium | 5.9 | mg/kg dw | 5,900 | | | | | |
| | | | | Dry Weight | Dry Weight | 91 | % | NS | | | | | |
| HMW-26S | SBI002:HMW26S:S015025:412 | 8/9/01 | 1.5'-2.5' | Metals | Barium | 37 | mg/kg dw | 5,900 | | | | | |
| | | | | | Chromium | 9.2 | mg/kg dw | 120** | | | | | |
| | | | | | Lead | 21.9 | mg/kg dw | 230 | | | | | |
| | | | | | Mercury | 0.021 | mg/kg dw | 32 | | | | | |
| | | | | | | | | | VOCs | All Analytes | <RL | - | |
| | | | | SVOCs | All Analytes | <RL | - | | | | | | |
| | | | | TPH | TPH - GRO (Non-Aqueous) | <RL | NS | | | | | | |
| | | | | Dry Weight | Dry Weight | 91.6 | % | NS | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | |
|--------------------------|---------------------------|-------------|----------------|---------------------------|----------------------|-------------|-----------------------|---|-------|----------|--------|
| HMW-27S | SBI002:HMW27S:S000015:412 | 8/13/01 | 0.0'-1.5' | Metals | Arsenic | 11 | mg/kg dw | 20 | | | |
| | | | | | Barium | 77.3 | mg/kg dw | 5,900 | | | |
| | | | | | Chromium | 15.5 | mg/kg dw | 120** | | | |
| | | | | | Lead | 132 | mg/kg dw | 230 | | | |
| | | | | VOCs | Mercury | 0.441 | mg/kg dw | 32 | | | |
| | | | | | Tetrachloroethene | 14.7 | ug/kg dw | 640 | | | |
| | | | | SBI002:HMW27S:S000015:412 | 8/13/01 | 0.0'-1.5' | SVOCs | Anthracene | 630 | ug/kg dw | 51,000 |
| | | | | | | | | Benzo(a)anthracene | 4,990 | ug/kg dw | 15,000 |
| | | | | | | | | Benzo(a)pyrene | 5,970 | ug/kg dw | 1,500 |
| | | | | | | | | Benzo(b)fluoranthene | 9,290 | ug/kg dw | 15,000 |
| Benzo(k)fluoranthene | 3,780 | ug/kg dw | 39,000 | | | | | | | | |
| Chrysene | 6,550 | ug/kg dw | 25,000 | | | | | | | | |
| Dibenzof(a,h)anthracene | 368 | ug/kg dw | 1,500 | | | | | | | | |
| Fluoranthene | 11,000 | ug/kg dw | 880,000 | | | | | | | | |
| Indeno(1,2,3-cd)pyrene | 1,170 | ug/kg dw | 3,100 | | | | | | | | |
| Phenanthrene | 6,000 | ug/kg dw | 126,049,825*** | | | | | | | | |
| HMW-29D | SBI002:HMW29D:040060:505 | 9/11/01 | 4.0'-6.0' | TPH | TPH - FTIR Non-aq | 110 | mg/kg dw | NS | | | |
| | | | | | Dry Weight | 89.1 | % | NS | | | |
| | | | | | TOC | 0.043 | % | NS | | | |
| HMW-32D | SBI002:HMW32D:200220:505 | 9/6/01 | 20.0'-22.0' | TOC | TOC | 0.053 | % | NS | | | |
| | | | | | TOC | | | | | | |
| HMW-33D | SBI002:HMW33D:S000020:428 | 8/9/01 | 0.0'-2.0' | Metals | Barium | 177 | mg/kg dw | 5,900 | | | |
| | | | | | Chromium | 9.2 | mg/kg dw | 120** | | | |
| | | | | | Lead | 2,720 | mg/kg dw | 230 | | | |
| | | | | VOCs | Mercury | 30.9 | mg/kg dw | 32 | | | |
| | | | | | Naphthalene | 63.8 | ug/kg dw | 170,000 | | | |
| | | | | | Dry Weight | 90.6 | % | NS | | | |
| SBI002:HMW33D:S00520:505 | 8/9/01 | 50.0'-52.0' | TOC | TOC | 0.088 | % | NS | | | | |
| | | | | TOC | | | | | | | |
| HMW-34D | SBI002:HMW34S:S000010:412 | 8/14/01 | 0.0'-1.0' | VOCs | All Analytes | <RL | -- | | | | |
| | | | | | Benzo(a)anthracene | 353 | ug/kg dw | 15,000 | | | |
| | | | | SVOCs | Benzo(a)pyrene | 340 | ug/kg dw | 1,500 | | | |
| | | | | | Benzo(b)fluoranthene | 494 | ug/kg dw | 15,000 | | | |
| | | | | | Chrysene | 408 | ug/kg dw | 25,000 | | | |
| | | | | | Phenanthrene | 458 | ug/kg dw | 126,049,825*** | | | |
| | | | | | Pyrene | 704 | ug/kg dw | 570,000 | | | |
| | | | | | TPH | 30.4 | mg/kg dw | NS | | | |
| | | | | SBI002:HMW34S:S00520:505 | 8/9/01 | 50.0'-52.0' | TPH - DRO Non-Aqueous | Dry Weight | 94.1 | % | NS |
| | | | | | | | | Dry Weight | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | |
|-------------|---------------------------|----------------|--------------|--------------|------------------------|-------------------|----------|---|---------|
| HMW-35S | SBI002:HMW35S:S000020:428 | 8/16/01 | 0.0'-2.0' | Metals | Barium | 56,800 | ug/kg dw | 59,000,000 | |
| | | | | | Chromium | 6,720 | ug/kg dw | 120,000** | |
| | | | | | Lead | 75,900 | ug/kg dw | 230,000 | |
| | | | | | Mercury | 0.411 | mg/kg dw | 32 | |
| | | | | VOCs | All Analytes | <RL | -- | -- | |
| | | | | SVOCS | All Analytes | <RL | -- | -- | |
| | | | | Dry Weight | | 93.3 | % | NS | |
| | | | | | Arsenic | 6,080 | ug/kg dw | 20,000 | |
| | | | | Metals | Barium | 59,700 | ug/kg dw | 59,000,000 | |
| | | | | | Chromium | 7,720 | ug/kg dw | 120** | |
| | | | | | Lead | 97,400 | ug/kg dw | 230,000 | |
| | | | | | Mercury | 0.394 | mg/kg dw | 32 | |
| | | | | VOCs | All Analytes | <RL | -- | -- | |
| | | | | SVOCS | All Analytes | <RL | -- | -- | |
| | | | | Dry Weight | | 93.9 | % | NS | |
| SB-1 | SBI002:SB1:S100115:428 | 8/3/01 | 10.0'-11.5' | | Acetone | 338 | ug/kg dw | 3,100 | |
| | | | | | 2-Butanone (MEK) | 210 | ug/kg dw | 11,000 | |
| | | | | | Toluene | 21.7 | ug/kg dw | 240,000 | |
| | | | | | 1,2,4-Trimethylbenzene | 11 | ug/kg dw | 215,329*** | |
| | | | | | 1,3,5-Trimethylbenzene | 7.9 | ug/kg dw | 86,840*** | |
| | | | | | Xylenes, Total | 7.3 | ug/kg dw | 410,000 | |
| | | | | | SVOCS | All Analytes | <RL | -- | |
| | | | | | PCBs | Aroclor 1242 | 5.31 | mg/kg dw | 5.3 |
| | | | | | TPH | TPH - FTIR Non-aq | 8,100 | mg/kg dw | NS |
| | | | | | Dry Weight | | 85.1 | % | NS |
| | | | | | VOCs | Toluene | 21.6 | ug/kg dw | 240,000 |
| | | | | | SVOCS | All Analytes | <RL | -- | |
| | | | | | PCBs | All Analytes | <RL | -- | |
| | | | | | TPH | TPH - FTIR Non-aq | 8,100 | mg/kg dw | NS |
| | Dry Weight | | 87.4 | % | NS | | | | |
| SB-3 | SBI002:SB3:S000020:428 | 8/2/01 | 0.0'-2.0' | VOCs | Toluene | 27.6 | ug/kg dw | 240,000 | |
| | | | | | Benzo(a)pyrene | 208 | ug/kg dw | 1,500 | |
| | | | | | Benzo(b)fluoranthene | 415 | ug/kg dw | 15,000 | |
| | | | | | Pyrene | 388 | ug/kg dw | 570,000 | |
| | | | | | TPH | TPH - FTIR Non-aq | 240 | mg/kg dw | NS |
| | | | | | Dry Weight | | 88.4 | % | NS |
| SB-4 | SBI002:SB4:S010020:428 | 8/3/01 | 1.0'-2.0' | Metals | Barium | 48.9 | mg/kg dw | 5,900 | |
| | | | | | Chromium | 11 | mg/kg dw | 120** | |
| | | | | | Lead | 18.3 | mg/kg dw | 230 | |
| | | | | | Mercury | 0.014 | mg/kg dw | 32 | |
| | | | | | Toluene | 67.2 | ug/kg dw | 240,000 | |
| | | Xylenes, Total | 6.4 | ug/kg dw | 410,000 | | | | |
| | | SVOCS | All Analytes | <RL | -- | | | | |
| | | Dry Weight | | 87.4 | % | NS | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 2 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN SOILS
AREA A

| Soil Boring | Sample Identification | Sample Date | Sample Depth | Analyte Type | Compound | Results | Units | RISC Default Closure Level - Commercial/Industrial Land Use | | | | |
|-------------|-------------------------|-------------|--------------|--------------|--------------|---------|------------|---|--------------|-----|----|----|
| SB-5 | SB1002:SB-5:S000015:412 | 8/8/01 | 0.0'-1.5' | Metals | Arsenic | 57.1 | mg/kg dw | 20 | | | | |
| | | | | | Barium | 124 | mg/kg dw | 5,900 | | | | |
| | | | | | Chromium | 16.2 | mg/kg dw | 120** | | | | |
| | | | | | Lead | 122 | mg/kg dw | 230 | | | | |
| | | | | | Mercury | 0.092 | mg/kg dw | 32 | | | | |
| | | | | | All Analytes | <RL | -- | -- | | | | |
| SB-6 | SB1002:SB6:S100110:428 | 8/6/01 | 10.0'-11.0' | Metals | Arsenic | 3.5 | mg/kg dw | 20 | | | | |
| | | | | | Barium | 24 | mg/kg dw | 5,900 | | | | |
| | | | | | Chromium | 5.2 | mg/kg dw | 120** | | | | |
| | | | | | Lead | 32.3 | mg/kg dw | 230 | | | | |
| | | | | | Mercury | 0.096 | mg/kg dw | 32 | | | | |
| | | | | | All Analytes | <RL | -- | -- | | | | |
| SB-6 | SB1002:SB6:S140150:428 | 8/6/01 | 14.0'-15.0' | Metals | Arsenic | 15 | mg/kg dw | 5,900 | | | | |
| | | | | | Barium | 4.7 | mg/kg dw | 120** | | | | |
| | | | | | Chromium | 14 | mg/kg dw | 230 | | | | |
| | | | | | Lead | 0.043 | mg/kg dw | 32 | | | | |
| | | | | | Mercury | <RL | -- | -- | | | | |
| | | | | | All Analytes | <RL | -- | -- | | | | |
| | | | | | VOCs | TPH | Dry Weight | Non-Aqueous | All Analytes | <RL | -- | -- |
| | | | | | | | | | All Analytes | <RL | -- | -- |
| | | | | | | | | | All Analytes | <RL | -- | -- |
| | | | | | | | | | All Analytes | <RL | -- | -- |
| | | | | | | | | | All Analytes | <RL | -- | -- |
| | | | | | | | | | All Analytes | <RL | -- | -- |
| SVOCS | TPH | Dry Weight | Non-Aqueous | All Analytes | <RL | -- | -- | | | | | |
| | | | | All Analytes | <RL | -- | -- | | | | | |
| | | | | All Analytes | <RL | -- | -- | | | | | |
| | | | | All Analytes | <RL | -- | -- | | | | | |
| | | | | All Analytes | <RL | -- | -- | | | | | |
| | | | | All Analytes | <RL | -- | -- | | | | | |
| Dry Weight | TPH | Dry Weight | Non-Aqueous | All Analytes | 90.8 | % | NS | | | | | |
| | | | | All Analytes | 90.8 | % | NS | | | | | |
| | | | | All Analytes | 90.8 | % | NS | | | | | |
| | | | | All Analytes | 90.8 | % | NS | | | | | |
| | | | | All Analytes | 90.8 | % | NS | | | | | |
| | | | | All Analytes | 90.8 | % | NS | | | | | |

Notes:

- * - Total concentrations of organics do not exceed 2,000 mg/kg (2,000,000 ug/kg) for any subsurface sample, and 6,000 mg/kg for any surface samples. concentrations of metals do not exceed 10,000 mg/kg for any sample.
- ** - Assumes hexavalent chromium.
- *** - Closure Levels calculated using equations provided in Appendix F of the VRP Resource Guide (July 1996).
- # - Samples SB1002:SB26A:S020040:505 and SB1002:SB27A:S020040:505 are re-samples from GB-26 and GB-27, respectively. Borings were re-sampled because holding times for initial samples were exceeded for SVOC analyses.
- <RL - Results are less than the analytical method reporting limit.
- NS - No Cleanup Goal/Closure Level Available.
- Analyte concentration exceeds default RISC commercial/industrial closure level.

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|--------------------------|-------------|--------------|--------------------------|----------------|---|--|
| HMW-1S | SBI002:HMW1S:G091801:523 | 9/18/01 | Metals* | Arsenic | 38.6 | 50 | 50 |
| | | | | Barium | 205 | 7,200 | 2,000 |
| | | | | Cadmium | 1.2 | 51 | 5 |
| | | | | Chromium | 8.7 | 310** | 100** |
| | | | | Lead | 75.4 | 42 | 15 |
| HMW-1I | SBI002:HMW1I:G091801:523 | 9/18/01 | VOCs | Trichloroethene | 2.3 | 260 | 5 |
| | | | SVOCs | All Analytes | <RL | -- | -- |
| | | | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | Metals* | Arsenic | 23 | 50 | 50 |
| | | | | Barium | 94.6 | 7,200 | 2,000 |
| | | | | Chromium | 8.7 | 310** | 100** |
| | | | | Lead | 39.4 | 42 | 15 |
| | | | VOCs | cis-1,2-Dichloroethene | 4.3 | 1,000 | 70 |
| | | | | Trichloroethene | 16.8 | 260 | 5 |
| HMW-1D | SBI002:HMW1D:G091801:523 | 9/18/01 | SVOCs | All Analytes | <RL | -- | -- |
| | | | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | Metals* | Barium | 36.8 | 7,200 | 2,000 |
| | | | | Lead | 3.4 | 42 | 15 |
| | | | VOCs | cis-1,2-Dichloroethene | 1.8 | 1,000 | 70 |
| | | | SVOCs | All Analytes | <RL | -- | -- |
| | | | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | Metals* | Barium | 53.8 | 7,200 | 2,000 |
| | Lead | 14.6 | 42 | 15 | | | |
| MW-1S | SBI002:MW1S:G091701:523 | 9/17/01 | VOCs | cis-1,2-Dichloroethene | 2.7 | 1,000 | 70 |
| | | | | Tetrachloroethene | 403 | 55 | 5 |
| | | | | Trichloroethene | 4.4 | 260 | 5 |
| MW-1D | SBI002:MW1D:G091701:523 | 9/17/01 | Metals* | Barium | 62 | 7,200 | 2,000 |
| | | | | Lead | 1.1 | 42 | 15 |
| | | | VOCs | All Analytes | <RL | -- | -- |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) | | | | |
|-----------------------------|--------------------------|-------------|--------------|--------------------------|--------------------------|---|--|--------|-----|-------|-------|
| HMW-2S | SBI002:HMW2S:G091801:523 | 9/18/01 | Metals* | Arsenic | 146 | 50 | 50 | | | | |
| | | | | Barium | 448 | 7,200 | 2,000 | | | | |
| | | | | Cadmium | 4.1 | 51 | 5 | | | | |
| | | | | Chromium | 163 | 310** | 100** | | | | |
| | | | | Lead | 531 | 42 | 15*** | | | | |
| | | | | Silver | 0.7 | 510 | 180 | | | | |
| | | | | VOCs | cis-1,2-Dichloroethene | 1.3 | 1,000 | 70 | | | |
| | | | | | Trichloroethene | 8 | 260 | 5 | | | |
| | | | | | TPH - Method 418.1 (Aq.) | <RL | NS | NS | | | |
| | | | | | TPH - GRO (Aq.) | <RL | NS | NS | | | |
| HMW-3S | SBI002:HMW3S:G092001:523 | 9/20/01 | Metals* | Arsenic | 18.9 | 50 | 50 | | | | |
| | | | | Barium | 81.4 | 7,200 | 2,000 | | | | |
| | | | | Chromium | 12.7 | 310** | 100** | | | | |
| | | | | Lead | 31.3 | 42 | 15 | | | | |
| | | | | VOCs | cis-1,2-Dichloroethene | 1.6 | 1,000 | 70 | | | |
| | | | | | Tetrachloroethene | 1.2 | 55 | 5 | | | |
| | | | | | Trichloroethene | 13.8 | 260 | 5 | | | |
| | | | | | TPH - GRO (Aq.) | <RL | NS | NS | | | |
| | | | | HMW-4S | SBI002:HMW4S:G092001:523 | 9/20/01 | Metals* | Barium | 29 | 7,200 | 2,000 |
| | | | | | | | | Lead | 3.4 | 42 | 15*** |
| VOCs | Trichloroethene | 4 | 260 | | | | | 5 | | | |
| | SVOCS | <RL | -- | | | | | -- | | | |
| TPH | TPH - GRO (Aq.) | <RL | NS | | | | | NS | | | |
| | | | | | | | | | | | |
| HMW-5S | SBI002:HMW5S:G092001:523 | 9/20/01 | VOCs | cis-1,2-Dichloroethene | 1.6 | 1,000 | 70 | | | | |
| | | | | Tetrachloroethene | 1.3 | 55 | 5 | | | | |
| | | | | Trichloroethene | 14.2 | 260 | 5 | | | | |
| | | | | TPH - Method 418.1 (Aq.) | <RL | NS | NS | | | | |
| | | | | TPH | | | | | | | |
| | | | | | | | | | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|-------------------|----------------|---|--|
| HMW-6S | SBI002:HMW6S:G092001:523 | 9/20/01 | Metals* | Arsenic | 54.2 | 50 | 50 |
| | | | | Barium | 231 | 7,200 | 2,000 |
| | | | | Chromium | 47.4 | 310** | 100** |
| | | | | Lead | 95 | 42 | 15 |
| | | | VOCs | Trichloroethene | 4.1 | 260 | 5 |
| | | | | SVOCs | <RL | -- | -- |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | | Arsenic | 44.2 | 50 | 50 |
| | | | | Barium | 192 | 7,200 | 2,000 |
| HMW-6D | SBI002:HMW6D:G092001D:523 | 9/20/01 | Metals* | Chromium | 39.9 | 310** | 100** |
| | | | | Lead | 71.8 | 42 | 15 |
| | | | | Trichloroethene | 4.5 | 260 | 5 |
| | | | | All Analytes | <RL | -- | -- |
| | | | VOCs | SVOCs | <RL | NS | NS |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | | Barium | 39 | 7,200 | 2,000 |
| | | | | Lead | 1.9 | 42 | 15 |
| | | | | Trichloroethene | 6.7 | 260 | 5 |
| HMW-7S | SBI002:HMW7S:G091701:523 | 9/17/01 | Metals* | All Analytes | <RL | -- | -- |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | | Barium | 39 | 7,200 | 2,000 |
| | | | VOCs | Lead | 5.1 | 42 | 15 |
| | | | | Chloroform | 1.3 | 470 | 100 |
| | | | | Tetrachloroethene | 4.1 | 55 | 5 |
| | | | | Arsenic | 15.3 | 50 | 50 |
| | | | | Barium | 102 | 7,200 | 2,000 |
| | | | | Chromium | 10.1 | 310** | 100** |
| HMW-8S | SBI002:HMW8S:G091701:523 | 9/17/01 | Metals* | Lead | 45.2 | 42 | 15 |
| | | | | Tetrachloroethene | 40.7 | 55 | 5 |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|------------------------|----------------|---|--|
| HMW-8I | SBI002:HMW8I:G091701:523 | 9/17/01 | Metals* | Arsenic | 10.5 | 50 | 50 |
| | | | | Barium | 98.2 | 7,200 | 2,000 |
| HMW-8D | SBI002:HMW8D:G091701:523 | 9/17/01 | VOCs | cis-1,2-Dichloroethene | 1 | 1,000 | 70 |
| | | | | 1,1,1-Trichloroethane | 3.2 | 3,600 | 200 |
| | | | Metals* | Barium | 81.8 | 7,200 | 2,000 |
| MW-8S | SBI002:MW8S:G091701:523 | 9/17/01 | VOCs | Lead | 4.8 | 42 | 15 |
| | | | | 1,1,1-Trichloroethane | 3.3 | 3,600 | 200 |
| | | | Metals* | Barium | 82.1 | 7,200 | 2,000 |
| MW-8D | SBI002:MW8D:G091701:523 | 9/17/01 | Metals* | Lead | 3.4 | 42 | 15 |
| | | | | Barium | 29.7 | 7,200 | 2,000 |
| | | | VOCs | All Analytes | <RL | 42 | 15 |
| HMW-9S | SBI002:HMW9S:G091901:523 | 9/19/01 | Metals* | Barium | 47.4 | 7,200 | 2,000 |
| | | | | Lead | 5.7 | 42 | 15 |
| | | | VOCs | All Analytes | <RL | -- | -- |
| HMW-9I | SBI002:HMW9I:G091901:523 | 9/19/01 | VOCs | Carbon tetrachloride | 1.3 | 22 | 5 |
| | | | | Tetrachloroethene | 749 | 55 | 5 |
| | | | SVOCs | All Analytes | <RL | -- | -- |
| HMW-9D | SBI002:HMW9D:G091901:523 | 9/19/01 | TPH | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | VOCs | Tetrachloroethene | 349 | 55 | 5 |
| | | | SVOCs | All Analytes | <RL | -- | -- |
| HMW-10S | SBI002:HMW10S:G091801:505 | 9/18/01 | TPH | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | Metals* | Barium | 82.3 | 7,200 | 2,000 |
| | | | | Cadmium | 1.6 | 51 | 5 |
| HMW-10S | SBI002:HMW10S:G091801:505 | 9/18/01 | VOCs | Lead | 14.2 | 42 | 15 |
| | | | | Tetrachloroethene | 2.5 | 55 | 5 |
| | | | | cis-1,2-Dichloroethene | 4.2 | 1,000 | 70 |
| HMW-10S | SBI002:HMW10S:G091801:505 | 9/18/01 | VOCs | sec-Butylbenzene | 4 | NS | NS |
| | | | | Tetrachloroethene | 31.2 | 55 | 5 |
| | | | | Trichloroethene | 47.8 | 260 | 5 |
| | | | TPH | TPH - DRO (Aq.) | 2,200 | NS | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|--------------------------|----------------|---|--|
| HMW-11S | SBI002:MW11S:G091801:505 | 9/18/01 | VOCs | cis-1,2-Dichloroethene | 1.1 | 1,000 | 70 |
| | | | | 1,1,1-Trichloroethane | 1.8 | 3,600 | 200 |
| | | | | Trichloroethene | 1.1 | 260 | 5 |
| | | | SVOCs | All Analytes | <RL | -- | -- |
| HMW-11D | SBI002:HMW11D:G091801:505 | 9/18/01 | TPH | TPH - Method 418.1 (Aq) | <RL | NS | NS |
| | | | | TPH - DRO (Aq) | <RL | NS | NS |
| | | | Metals* | Barium | 32.5 | 7,200 | 2,000 |
| | | | | Lead | 2.5 | 42 | 15 |
| | | | VOCs | sec-Butylbenzene | 1.3 | NS | NS |
| | | | | cis-1,2-Dichloroethene | 35.5 | 1,000 | 70 |
| | | | | trans-1,2-Dichloroethene | 5.1 | 200 | 100 |
| | | | | n-Propylbenzene | 1.2 | NS | NS |
| | | | | Trichloroethene | 11.3 | 260 | 5 |
| | | | Metals* | Barium | 33.5 | 7,200 | 2,000 |
| Lead | 2.2 | 42 | | 15 | | | |
| VOCs | sec-Butylbenzene | 1.4 | NS | NS | | | |
| | cis-1,2-Dichloroethene | 34.2 | 1,000 | 70 | | | |
| | trans-1,2-Dichloroethene | 5.3 | 200 | 100 | | | |
| | n-Propylbenzene | 1.3 | NS | NS | | | |
| | Trichloroethene | 12.1 | 260 | 5 | | | |
| Metals* | Barium | 55.5 | 7,200 | 2,000 | | | |
| | Lead | 3.6 | 42 | 15 | | | |
| VOCs | Tetrachloroethene | 34.2 | 55 | 5 | | | |
| | TPH | <RL | NS | NS | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) | |
|-----------------------------|---------------------------|-------------|--------------|--------------------------|---------------------------|---|--|--------------------------|
| MW-11D | SBI002:MMW11D:G091801:505 | 9/18/01 | VOCs | cis-1,2-Dichloroethene | 1.2 | 1,000 | 70 | |
| | | | | Tetrachloroethene | 1.7 | 55 | 5 | |
| | | | | 1,1,1-Trichloroethane | 1.4 | 3,600 | 200 | |
| | | | | Trichloroethene | 1.1 | 260 | 5 | |
| HMW-12S | SBI002:HMW12S:G091901:523 | 9/19/01 | SVOCs | All Analytes | <RL | -- | -- | |
| | | | | TPH | <RL | NS | NS | |
| | | | Metals* | Arsenic | 46.7 | 50 | 50 | |
| | | | | Barium | 154 | 7,200 | 2,000 | |
| | | | | Lead | 19.5 | 42 | 15*** | |
| | | | VOCs | Chloroform | 2.2 | 470 | 100 | |
| | | | | cis-1,2-Dichloroethene | 2.4 | 1,000 | 70 | |
| | | | | trans-1,2-Dichloroethene | 5 | 200 | 100 | |
| | | | | Tetrachloroethene | 52.1 | 55 | 5 | |
| | | | | Trichloroethene | 29.6 | 260 | 5 | |
| HMW-12D | SBI002:HMW12D:G091801:505 | 9/18/01 | TPH | TPH - GRO (Aq.) | <RL | NS | NS | |
| | | | | Metals* | Barium | 62.6 | 7,200 | 2,000 |
| | | | VOCs | Lead | 2.8 | 42 | 15 | |
| | | | | Tetrachloroethene | 1.4 | 55 | 5 | |
| | | | | 1,1,1-Trichloroethane | 1.6 | 3,600 | 200 | |
| | | | VOCs | cis-1,2-Dichloroethene | 2.8 | 1,000 | 70 | |
| | | | | Trichloroethene | 19 | 260 | 5 | |
| | | | | SVOCs | All Analytes | <RL | -- | -- |
| | | | | | TPH | <RL | NS | NS |
| | | | | HMW-13D | SBI002:HMW13D:G091901:523 | 9/19/01 | TPH | TPH - Method 418.1 (Aq.) |
| TPH - DRO (Aq.) | <RL | NS | NS | | | | | |
| Metals* | Barium | 138 | 7,200 | | | | 2,000 | |
| | Lead | 7.7 | 42 | | | | 15 | |
| | cis-1,2-Dichloroethene | 8.9 | 1,000 | | | | 70 | |
| VOCs | trans-1,2-Dichloroethene | 8.1 | 200 | | | | 100 | |
| | Tetrachloroethene | 290 | 55 | | | | 5 | |
| | Trichloroethene | 386 | 260 | | | | 5 | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|--------------------------|----------------|---|--|
| MW-13S | SBI002:MW13S:G091901:523 | 9/19/01 | Metals* | Barium | 57.8 | 7,200 | 2,000 |
| | | | Lead | | 1.5 | 42 | 15 |
| MW-13D | SBI002:MW13D:G091901:523 | 9/19/01 | VOCs | Tetrachloroethene | 638 | 55 | 5 |
| | | | Metals* | Barium | 75.2 | 7,200 | 2,000 |
| HMW-14S | SBI002:HMW14S:G091901:523 | 9/19/01 | VOCs | Lead | 4 | 42 | 15 |
| | | | VOCs | Tetrachloroethene | 143 | 55 | 5 |
| HMW-14S | SBI002:HMW14S:G091901:523 | 9/19/01 | VOCs | Trichloroethene | 2.5 | 260 | 5 |
| | | | SVOCs | Vinyl Chloride | 4.1 | 2 | 2 |
| HMW-14S | SBI002:HMW14S:G091901:523 | 9/19/01 | PCBs | All Analytes | <RL | -- | -- |
| | | | VOCs | All Analytes | <RL | -- | -- |
| MW-14 | SBI002:MW14:G092001:523 | 9/20/01 | PCBs | Trichloroethene | 2.6 | 260 | 5 |
| | | | TPH | Vinyl Chloride | 4 | 2 | 2 |
| HMW-15S | SBI002:HMW15S:G091901:523 | 9/19/01 | All Analytes | All Analytes | <RL | -- | -- |
| | | | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| HMW-15D | SBI002:HMW15D:G091901:523 | 9/19/01 | Metals* | Barium | 44.3 | 7,200 | 2,000 |
| | | | VOCs | Lead | 1.8 | 42 | 15 |
| HMW-15D | SBI002:HMW15D:G091901:523 | 9/19/01 | VOCs | 1,1,1-Trichloroethane | 3.7 | 3,600 | 200 |
| | | | SVOCs | Trichloroethene | 7.4 | 260 | 5 |
| MW-15D | SBI002:MW15D:G091801:505 | 9/18/01 | SVOCs | All Analytes | <RL | -- | -- |
| | | | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| MW-15D | SBI002:MW15D:G091801:505 | 9/18/01 | VOCs | cis-1,2-Dichloroethene | 2.7 | 1,000 | 70 |
| | | | VOCs | Trichloroethene | 6.5 | 260 | 5 |
| MW-15D | SBI002:MW15D:G091801:505 | 9/18/01 | TPH | All Analytes | <RL | -- | -- |
| | | | Metals* | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| MW-15D | SBI002:MW15D:G091801:505 | 9/18/01 | Metals* | Barium | 64.8 | 7,200 | 2,000 |
| | | | VOCs | Lead | 1.7 | 42 | 15 |
| MW-15D | SBI002:MW15D:G091801:505 | 9/18/01 | VOCs | sec-Butylbenzene | 4.1 | NS | NS |
| | | | VOCs | cis-1,2-Dichloroethene | 7.6 | 1,000 | 70 |
| MW-15D | SBI002:MW15D:G091801:505 | 9/18/01 | VOCs | trans-1,2-Dichloroethene | 1.5 | 200 | 100 |
| | | | VOCs | n-Hexane | 48.8 | NS | NS |
| MW-15D | SBI002:MW15D:G091801:505 | 9/18/01 | VOCs | n-Propylbenzene | 2.4 | NS | NS |
| | | | VOCs | Tetrachloroethene | 270 | 55 | 5 |
| MW-15D | SBI002:MW15D:G091801:505 | 9/18/01 | VOCs | Trichloroethene | 14.8 | 260 | 5 |
| | | | VOCs | 1,3,5-Trimethylbenzene | 1.4 | NS | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|--------------------------|----------------|---|--|
| HMW-16D | SBI002:HMW16D:G091801:505 | 9/18/01 | VOCs | 1,1-Dichloroethane | 1.2 | 10,000 | 990 |
| | | | | cis-1,2-Dichloroethene | 2.8 | 1,000 | 70 |
| | | | | 1,1,1-Trichloroethane | 1.2 | 3,600 | 200 |
| | | | | Trichloroethene | 2.3 | 260 | 5 |
| HMW-17D | SBI002:HMW17D:G091701:523 | 9/17/01 | Metals* | All Analytes | <RL | NS | NS |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | TPH - DRO (Aq.) | <RL | NS | NS |
| HMW-18S | SBI002:HMW18S:G091901:523 | 9/19/01 | VOCs | Barium | 66.3 | 7,200 | 2,000 |
| | | | | Lead | 3 | 42 | 15 |
| | | | | cis-1,2-Dichloroethene | 1.2 | 1,000 | 70 |
| | | | | 1,1,1-Trichloroethane | 1.9 | 3,600 | 200 |
| HMW-19S | SBI002:19S:G091801:505 | 9/18/01 | Metals* | cis-1,2-Dichloroethene | 3 | 1,000 | 70 |
| | | | | trans-1,2-Dichloroethene | 1.9 | 200 | 100 |
| | | | | Tetrachloroethene | 36.4 | 55 | 5 |
| | | | | Trichloroethene | 13.1 | 260 | 5 |
| HMW-19S | SBI002:19S:G091801:505 | 9/18/01 | VOCs | All Analytes | <RL | NS | NS |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | TPH - DRO (Aq.) | <RL | NS | NS |
| HMW-19S | SBI002:19S:G091801:505 | 9/18/01 | Metals* | Arsenic | 2,140 | 50 | 50 |
| | | | | Barium | 2,140 | 7,200 | 2,000 |
| | | | | Cadmium | 2 | 51 | 5 |
| | | | | Chromium | 27.6 | 310** | 100** |
| HMW-19S | SBI002:19S:G091801:505 | 9/18/01 | VOCs | Lead | 255 | 42 | 15 |
| | | | | Mercury | 0.4 | 31 | 2 |
| | | | | Tetrachloroethene | 185 | 55 | 5 |
| | | | | 1,1,1-Trichloroethane | 1.8 | 3,600 | 200 |
| HMW-19S | SBI002:19S:G091801:505 | 9/18/01 | Metals* | All Analytes | <RL | NS | NS |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | TPH - DRO (Aq.) | <RL | NS | NS |
| HMW-19S | SBI002:19S:G091801:505 | 9/18/01 | VOCs | Arsenic | 2,860 | 50 | 50 |
| | | | | Barium | 3,100 | 7,200 | 2,000 |
| | | | | Cadmium | 3.3 | 51 | 5 |
| | | | | Chromium | 40 | 310** | 100** |
| HMW-19S | SBI002:19S:G091801:505 | 9/18/01 | Metals* | Lead | 359 | 42 | 15 |
| | | | | Mercury | 0.6 | 31 | 2 |
| | | | | Selenium | 6 | 510 | 50 |
| | | | | All Analytes | <RL | NS | NS |
| HMW-19S | SBI002:19S:G091801:505 | 9/18/01 | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | TPH - DRO (Aq.) | <RL | NS | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|---------------------------|----------------|--|--|
| HMW-19D | SBI002:HMW19D:G091801:505 | 9/18/01 | Metals* | Barium | 56.1 | 7,200 | 2,000 |
| | | | Lead | 1.4 | 42 | 15 | |
| HMW-20S | SBI002:HMW20S:G092001:503 | 9/20/01 | VOCs | Tetrachloroethene | 46.9 | 55 | 5 |
| | | | VOCs | All Analytes | <RL | -- | -- |
| HMW-21D | SBI002:HMW21D:G091901:523 | 9/17/01 | TPH | TPH - GRO (Ag.) | <RL | NS | NS |
| | | | Metals* | Barium | 76.3 | 7,200 | 2,000 |
| | | | Lead | 3 | 42 | 15 | |
| HMW-22D | SBI002:HMW22D:G091701:523 | 9/17/01 | VOCs | 1,1,1-Trichloroethane | 4.4 | 3,600 | 200 |
| | | | TPH | TPH - Method 418.1 (Ag.) | <RL | NS | NS |
| | | | Metals* | Barium | 76.3 | 7,200 | 2,000 |
| HMW-22I | SBI002:HMW22I:G091701:523 | 9/17/01 | Lead | 3 | 42 | 15 | 15 |
| | | | VOCs | All Analytes | <RL | -- | -- |
| | | | Metals* | Arsenic | 7.7 | 50 | 50 |
| HMW-23S | SBI002:HMW23S:G091801:505 | 9/18/01 | Metals* | Barium | 61.8 | 7,200 | 2,000 |
| | | | Lead | 5.8 | 42 | 15 | |
| | | | VOCs | 1,1,1-Trichloroethane | 1.2 | 3,600 | 200 |
| | | | VOCs | Ethylbenzene | 4.8 | 10,000 | 700 |
| | | | | Isopropylbenzene (Cumene) | 78.3 | NS | NS |
| | | | | p-Isopropyltoluene | 430 | NS | NS |
| | | | | Naphthalene | 371 | 2,000 | 8 |
| TPH | TPH - GRO (Ag.) | 146 | 1,020*** | 76.8*** | | | |
| VOCs | 1,2,4-Trimethylbenzene | 7,740 | 5,110*** | 16.4*** | | | |
| VOCs | 1,3,5-Trimethylbenzene | 2,350 | 5,110*** | 16.4*** | | | |
| SVOCs | Xylenes | 146 | 180,000 | 10,000 | | | |
| TPH | All Analytes | <RL | -- | -- | | | |
| TPH | TPH - GRO (Ag.) | <RL | NS | NS | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|-----------------------|----------------|--|--|
| HMW-23D | SBI002:HMW23D:G091801:505 | 9/18/01 | Metals* | Arsenic | 13.8 | 50 | 50 |
| | | | | Barium | 192 | 7,200 | 2,000 |
| | | | | Chromium | 22.3 | 310** | 100** |
| | | | | Lead | 60.1 | 42 | 15 |
| MW-23D | SBI002:MW23D:G091801:505 | 9/18/01 | VOCs | 1,1,1-Trichloroethane | 3.7 | 3,600 | 200 |
| | | | | SVOCs | <RL | -- | -- |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| MW-23S | SBI002:MW23S:G091801:505 | 9/18/01 | VOCs | 1,1,1-Trichloroethane | 3.7 | 3,600 | 200 |
| | | | | SVOCs | <RL | -- | -- |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - GRO (Aqueous) | <RL | NS | NS |
| HMW-24S | SBI002:HMW24D:G092001:523 | 9/20/01 | Metals* | Naphthalene | 417 | 2,000 | 8 |
| | | | | 1,1,1-Trichloroethane | 2.3 | 3,600 | 200 |
| | | | | SVOCs | <RL | -- | -- |
| | | | | TPH | 36,200 | NS | NS |
| MW-24D | SBI002:MW24D:G091801:505 | 9/18/01 | Metals* | Barium | 55.6 | 7,200 | 2,000 |
| | | | | Lead | 1.7 | 42 | 15 |
| | | | | VOCs | 3.7 | 3,600 | 200 |
| | | | | 1,1,1-Trichloroethane | 3.7 | 3,600 | 200 |
| HMW-25S | SBI002:HMW25S:G091901:523 | 9/19/01 | Metals* | Arsenic | 10 | 50 | 50 |
| | | | | Barium | 72.3 | 7,200 | 2,000 |
| | | | | Lead | 110 | 42 | 25 |
| | | | | Tetrachloroethene | 8.8 | 55 | 5 |
| MW-25S | SBI002:HMW25S:G091901:523 | 9/19/01 | VOCs | 1,1,1-Trichloroethane | 3.2 | 3,600 | 200 |
| | | | | SVOCs | <RL | -- | -- |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| HMW-25S | SBI002:HMW25S:G091901:523 | 9/19/01 | Metals* | Arsenic | 647 | 50 | 50 |
| | | | | Barium | 7,030 | 7,200 | 2,000 |
| | | | | Chromium | 224 | 310** | 100** |
| | | | | Lead | 1,410 | 42 | 15 |
| HMW-25S | SBI002:HMW25S:G091901:523 | 9/19/01 | VOCs | Mercury | 2.3 | 31 | 2 |
| | | | | 1,1,1-Trichloroethane | 2.4 | 3,600 | 200 |
| | | | | SVOCs | <RL | -- | -- |
| | | | | TPH | <RL | NS | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|--------------------------|----------------|---|--|
| MW-25S | SBI002:MMW25S:G091701:523 | 9/17/01 | Metals* | Arsenic | 5.6 | 50 | 50 |
| | | | | Barium | 189 | 7,200 | 2,000 |
| | | | | Chromium | 89.9 | 310** | 100** |
| | | | | Lead | 20.9 | 42 | 15 |
| MW-25D | SBI002:MMW25D:G091701:523 | 9/17/01 | VOCs | Tetrachloroethene | 4.7 | 55 | 5 |
| | | | | 1,1,1-Trichloroethane | 1.3 | 3,600 | 200 |
| | | | | Barium | 64.7 | 7,200 | 2,000 |
| | | | | Chromium | 30.4 | 310** | 100** |
| HMW-26S | SBI002:HMW26S:G091901:523 | 9/19/01 | Metals* | Lead | 3.8 | 42 | 15 |
| | | | | Tetrachloroethene | 2.2 | 55 | 5 |
| | | | | 1,1,1-Trichloroethane | 2.7 | 3,600 | 200 |
| | | | | Arsenic | 112 | 50 | 50 |
| HMW-27S | SBI002:HMW27S:G091901:523 | 9/19/01 | VOCs | Barium | 240 | 7,200 | 2,000 |
| | | | | Cadmium | 1 | 51 | 5 |
| | | | | Chromium | 33.2 | 310** | 100** |
| | | | | Lead | 127 | 42 | 15 |
| HMW-28S | SBI002:HMW28S:G091401:505 | 9/14/01 | TPH | sec-Butylbenzene | 2 | NS | NS |
| | | | | p-Isopropyltoluene | 1.2 | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | | Arsenic | 144 | 50 | 50 |
| HMW-27S | SBI002:HMW27S:G091901:523 | 9/19/01 | Metals* | Barium | 783 | 7,200 | 2,000 |
| | | | | Cadmium | 3.3 | 51 | 5 |
| | | | | Chromium | 40 | 310** | 100** |
| | | | | Lead | 240 | 42 | 15 |
| HMW-27S | SBI002:HMW27S:G091901:523 | 9/19/01 | VOCs | Mercury | 0.3 | 31 | 2 |
| | | | | Tetrachloroethene | 136 | 55 | 5 |
| | | | | 1,1,1-Trichloroethane | 2.2 | 3,600 | 200 |
| | | | | Trichloroethene | 3.2 | 260 | 5 |
| HMW-28S | SBI002:HMW28S:G091401:505 | 9/14/01 | SVOCS | All Analytes | <RL | -- | -- |
| | | | | TPH | <RL | NS | NS |
| | | | | TPH - GRO (Aq.) | <RL | NS | NS |
| | | | | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| HMW-28S | SBI002:HMW28S:G091401:505 | 9/14/01 | Metals* | Barium | 72.5 | 7,200 | 2,000 |
| | | | | cis-1,2-Dichloroethene | 2.6 | 1,000 | 70 |
| | | | | Tetrachloroethene | 1 | 55 | 5 |
| | | | | Trichloroethene | 15.1 | 260 | 5 |
| HMW-28S | SBI002:HMW28S:G091401:505 | 9/14/01 | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | TPH - Method 418.1 (Aq.) | <RL | NS | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) | |
|-----------------------------|---------------------------|-------------|--------------|---------------------------|--------------------------|---|--|-----|
| HMW-28D | SBI002:HMW28D:G091401:505 | 9/14/01 | Metals* | Barium | 37.5 | 7,200 | 2,000 | |
| | | | | Lead | 8.3 | 42 | 15 | |
| | | | VOCs | cis-1,2-Dichloroethene | 2 | 1,000 | 70 | |
| | | | | Tetrachloroethene | 1.4 | 55 | 5 | |
| MW-28S | SBI002:MW28S:G091801:505 | 9/18/01 | | 1,1,1-Trichloroethane | 1.8 | 3,600 | 200 | |
| | | | | Trichloroethene | 51.4 | 260 | 5 | |
| | | | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS | |
| | | | Metals* | Arsenic | 11.1 | 50 | 50 | |
| MW-28D | SBI002:MW28D:G091801:505 | 9/18/01 | | Barium | 163 | 7,200 | 2,000 | |
| | | | | Lead | 17 | 42 | 15 | |
| | | | VOCs | Tetrachloroethene | 2.9 | 55 | 5 | |
| | | | Metals* | Arsenic | 11.2 | 50 | 50 | |
| HMW-29I | SBI002:HMW29I:G091401:505 | 9/14/01 | | Barium | 62.8 | 7,200 | 2,000 | |
| | | | | Lead | 17 | 42 | 15 | |
| | | | VOCs | Tetrachloroethene | 12.8 | 55 | 5 | |
| | | | Metals* | Arsenic | 11.5 | 50 | 50 | |
| HMW-29I | SBI002:HMW29I:G091401:505 | 9/14/01 | | Barium | 58.5 | 7,200 | 2,000 | |
| | | | | Lead | 20.8 | 42 | 15 | |
| | | | VOCs | sec-Butylbenzene | 1.8 | NS | NS | |
| | | | | cis-1,2-Dichloroethene | 2.3 | 1,000 | 70 | |
| | | | | Isopropylbenzene (Cumene) | 1.8 | NS | NS | |
| | | | | n-Propylbenzene | 2.1 | NS | NS | |
| | | | | Trichloroethene | 13.9 | 260 | 5 | |
| | | | | SVOCs | Fluorene | 18 | 2,000 | 310 |
| | | | | TPH | TPH - Method 418.1 (Aq.) | 3,600 | NS | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) | |
|-----------------------------|---------------------------|-------------|--------------|---------------------------|--------------------------|--|--|----|
| HMW-29D | SBI002:HMW29D:G091401:505 | 9/14/01 | Metals* | Barium | 48.3 | 7,200 | 2,000 | |
| | | | | Lead | 2.2 | 42 | 15 | |
| | | | VOCs | cis-1,2-Dichloroethene | 3.7 | 1,000 | 70 | |
| | | | | Isopropylbenzene (Cumene) | 2.8 | NS | NS | |
| HMW-30I | SBI002:HMW30I:G091401:505 | 9/14/01 | TPH | n-Propylbenzene | 3.4 | NS | NS | |
| | | | | Trichloroethene | 10.5 | 260 | 5 | |
| | | | Metals* | TPH - Method 418.1 (Aq.) | 7,500 | NS | NS | |
| | | | | Barium | 59.9 | 7,200 | 2,000 | |
| HMW-30D | SBI002:HMW30D:G092001:523 | 9/20/01 | Metals* | Lead | 9 | 42 | 15 | |
| | | | | sec-Butylbenzene | 3.4 | NS | NS | |
| | | | VOCs | 1,1-Dichloroethane | 1.3 | 10,000 | 990 | |
| | | | | cis-1,2-Dichloroethene | 1.4 | 1,000 | 70 | |
| | | | | n-Hexane | 44.8 | NS | NS | |
| | | | | Isopropylbenzene (Cumene) | 1 | NS | NS | |
| | | | | p-Isopropyltoluene | 3.2 | NS | NS | |
| | | | | n-Propylbenzene | 3.8 | NS | NS | |
| | | | | Trichloroethene | 1.2 | 260 | 5 | |
| | | | | 1,2,4-Trimethylbenzene | 2.6 | NS | NS | |
| | | | | 1,3,5-Trimethylbenzene | 2.6 | NS | NS | |
| | | | | Xylenes | 1.5 | 180,000 | 10,000 | |
| | | | TPH | TPH - Method 418.1 (Aq.) | 400 | NS | NS | |
| | | | VOCs | All Analytes | <RL | -- | -- | |
| Barium | 47.3 | 7,200 | | 2,000 | | | | |
| HMW-30D | SBI002:HMW30D:G091401:505 | 9/14/01 | Metals* | Lead | 2.5 | 42 | 15*** | |
| | | | | sec-Butylbenzene | 1.4 | NS | NS | |
| | | | VOCs | 1,1-Dichloroethane | 1.4 | 10,000 | 990 | |
| | | | | cis-1,2-Dichloroethene | 4.2 | 1,000 | 70 | |
| | | | | n-Hexane | 12.5 | NS | NS | |
| | | | | p-Isopropyltoluene | 1 | NS | NS | |
| | | | | 1,1,1-Trichloroethane | 1.1 | 3,600 | 200 | |
| | | | | Trichloroethene | 10.8 | 260 | 5 | |
| | | | | TPH | TPH - Method 418.1 (Aq.) | 300 | NS | NS |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|----------------------------|--------------------------|--------------|---------------------------|----------------|---|--|
| HMW-31S | SBI002:HMW31S:G091701:523 | 9/17/01 | Metals* | Arsenic | 121 | 50 | 50 |
| | | | | Barium | 1020 | 7,200 | 2,000 |
| | | | | Cadmium | 6.8 | 51 | 5 |
| | | | | Chromium | 55.3 | 310** | 100** |
| | | | | Lead | 387 | 42 | 15 |
| | | | VOCs | Mercury | 0.5 | 31 | 2 |
| | | | | Tetrachloroethene | 11.8 | 55 | 5 |
| | | | | 1,1,1-Trichloroethane | 1.4 | 3,600 | 200 |
| | | | | Trichloroethene | 2 | 260 | 5 |
| | | | | All Analytes | <RL | -- | -- |
| HMW-31I | SBI002:HMW31I:G091701:523 | 9/17/01 | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| | | | | Barium | 70.6 | 7,200 | 2,000 |
| | | | Metals* | Lead | 7.9 | 42 | 15 |
| | | | | n-Butylbenzene | 10.3 | NS | NS |
| | | | VOCs | sec-Butylbenzene | 9.8 | NS | NS |
| | | | | n-Hexane | 68 | NS | NS |
| | | | | Isopropylbenzene (Cumene) | 3.2 | NS | NS |
| | | | | p-Isopropyltoluene | 5.1 | NS | NS |
| | | | | n-Propylbenzene | 4.1 | NS | NS |
| | | | | Vinyl Chloride | 1.5 | 2 | 2 |
| SVOCs | All Analytes | <RL | -- | -- | | | |
| | TPH | TPH - Method 418.1 (Aq.) | 1,400 | NS | | | |
| HMW-31J | SBI002:HMW31J:G091701D:523 | 9/17/01 | Metals* | Barium | 73.2 | 7,200 | 2,000 |
| | | | | Lead | 8.8 | 42 | 15 |
| | | | VOCs | n-Butylbenzene | 10.3 | NS | NS |
| | | | | sec-Butylbenzene | 9.9 | NS | NS |
| | | | | n-Hexane | 83.6 | NS | NS |
| | | | | Isopropylbenzene (Cumene) | 3 | NS | NS |
| | | | | p-Isopropyltoluene | 5.2 | NS | NS |
| | | | | n-Propylbenzene | 4 | NS | NS |
| | | | | Vinyl Chloride | 1.3 | 2 | 2 |
| | | | | All Analytes | <RL | -- | -- |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|---------------------------|-------------|--------------|---------------------------|----------------|---|--|
| HMW-31D | SBI002:HMW31D:G091701:523 | 9/17/01 | Metals* | Barium | 85.2 | 7,200 | 2,000 |
| | | | | Lead | 5.2 | 42 | 15 |
| | | | VOCs | 1,1-Dichloroethane | 1.3 | 10,000 | 990 |
| | | | | cis-1,2-Dichloroethene | 1.6 | 1,000 | 70 |
| | | | | n-Hexane | 78.2 | NS | NS |
| | | | | Isopropylbenzene (Cumene) | 3.6 | NS | NS |
| | | | | Tetrachloroethene | 1 | 55 | 5 |
| | | | | All Analytes | <RL | -- | -- |
| | | | TPH | TPH - Method 418.1 (Aq.) | 13,000 | NS | NS |
| | | | HMW-32I | SBI002:HMW32I:G091401:505 | 9/14/01 | Metals* | Arsenic |
| Barium | 108 | 7,200 | | | | | 2,000 |
| VOCs | Lead | 29.2 | | | | 42 | 15 |
| | sec-Butylbenzene | 9.3 | | | | NS | NS |
| | cis-1,2-Dichloroethene | 7 | | | | 1,000 | 70 |
| | trans-1,2-Dichloroethene | 9.1 | | | | 200 | 100 |
| | n-Hexane | 114 | | | | NS | NA |
| | p-Isopropyltoluene | 2.3 | | | | NS | NS |
| | n-Propylbenzene | 1.9 | | | | NS | NS |
| | Tetrachloroethene | 363 | | | | 55 | 5 |
| Trichloroethene | 98.8 | 260 | 5 | | | | |
| TPH | TPH - Method 418.1 (AQ) | 700 | NA | NA | | | |
| HMW-32D | SBI002:HMW32D:G091401:505 | 9/14/01 | Metals* | Barium | 98.2 | 7,200 | 2,000 |
| | | | | Lead | 10.1 | 42 | 15*** |
| | | | VOCs | Acetone | 21.4 | 10,000 | 770 |
| | | | | sec-Butylbenzene | 10.8 | NS | NS |
| | | | | cis-1,2-Dichloroethene | 33.3 | 1,000 | 70 |
| | | | | trans-1,2-Dichloroethene | 3.5 | 200 | 100 |
| | | | | n-Hexane | 23.3 | NS | NA |
| | | | | p-Isopropyltoluene | 2.5 | NS | NS |
| | | | | n-Propylbenzene | 1.5 | NS | NS |
| | | | | Tetrachloroethene | 35.9 | 55 | 5 |
| Trichloroethene | 18.2 | 260 | 5 | | | | |
| TPH | TPH - Method 418.1 (Aq.) | 800 | NS | NS | | | |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|--------------------------------------|-------------|--------------|---|----------------|---|--|
| HMW-33S | SBI002:HMW33S:G091901:523 | 9/19/01 | Metals* | Arsenic | 5.3 | 50 | 50 |
| | | | | Barium | 100 | 7,200 | 2,000 |
| | | | | Lead | 132 | 42 | 15 |
| HMW-33D | SBI002:HMW33D:G091901:523 | 9/19/01 | VOCs | All Analytes | <RL | -- | -- |
| | | | Metals* | Arsenic | 11.1 | 50 | 50 |
| | | | | Barium | 116 | 7,200 | 2,000 |
| | | | | Chromium | 8.8 | 310** | 100** |
| | | | | Lead | 12.9 | 42 | 15 |
| HMW-34S | SBI002:HMW34S:G091901:523 | 9/19/01 | VOCs | 1,1,1-Trichloroethane | 4 | 3,600 | 200 |
| | | | VOCs | cis-1,2-Dichloroethene | 1.1 | 1,000 | 70 |
| | | | | Trichloroethene | 4.5 | 260 | 5 |
| | | | SVOCs | All Analytes | <RL | -- | -- |
| | | | TPH | TPH - Method 418.1 (Aq.) TPH - DRO (Aq.) | <RL <RL | NS NS | NS NS |
| HMW-35S | SBI002:HMW35S:G091701:523 | 9/17/01 | Metals* | Barium | 47.1 | 7,200 | 2,000 |
| | | | | Lead | 2.8 | 42 | 15*** |
| | | | VOCs | cis-1,2-Dichloroethene Trichloroethene | 1.5 7.4 | 1,000 260 | 70 5 |
| SB-1 | SBI002:SB1:G092001:523 | 9/20/01 | VOCs | Trichloroethene | 7.3 | 260 | 5 |
| | | | TPH | TPH - Method 418.1 (Aq.) | <RL | NS | NS |
| HP-1# | ZHG001:HP1s:G051401:412 ^a | 5/14/01 | VOCs | cis-1,2-Dichloroethene | 4 | 1,000 | 70 |
| | | | | trans-1,2-Dichloroethene | 4.2 | 200 | 100 |
| | | | | Tetrachloroethene | 165 | 55 | 5 |
| | | | | Trichloroethene | 87.7 | 260 | 5 |
| | | | VOCs | cis-1,2-Dichloroethene | 3.5 | 1,000 | 70 |
| HP-1# | ZHG001:HP1d:G051401:412 ^b | 5/14/01 | VOCs | trans-1,2-Dichloroethene | 4.6 | 200 | 100 |
| | | | | Tetrachloroethene | 53.8 | 55 | 5 |
| | | | | Trichloroethene | 87.8 | 260 | 5 |
| | | | VOCs | cis-1,2-Dichloroethene | 3.3 | 1,000 | 70 |
| | | | | trans-1,2-Dichloroethene | 4.2 | 200 | 100 |
| HP-1# | ZHG001:HP1d:G051401:412 ^b | 5/14/01 | VOCs | n-Hexane | 13.4 | NS | NA |
| | | | | Tetrachloroethene | 64.3 | 55 | 5 |
| | | | | Trichloroethene | 92.2 | 260 | 5 |

TABLE CONTINUES

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 3 (Cont'd)
SUMMARY OF DETECTED ANALYTES IN GROUNDWATER
AREA A

| Monitoring Well Designation | Sample Identification | Sample Date | Analyte Type | Compound | Results (ug/L) | RISC Default Closure Level - Industrial Land Use (ug/L) | RISC Default Closure Level - Residential Land Use (ug/L) |
|-----------------------------|--------------------------------------|-------------|--------------|---------------------------|----------------|---|--|
| HP-2# | ZHG001:HP2s:G051401:412 ^c | 5/14/01 | VOCs | n-Butylbenzene | 2 | NS | NS |
| | | | | sec-Butylbenzene | 1.4 | NS | NS |
| | | | | cis-1,2-Dichloroethene | 10.4 | 1,000 | 70 |
| | | | | trans-1,2-Dichloroethene | 4.1 | 200 | 100 |
| | | | | n-Hexane | 21.2 | NS | NA |
| | | | | n-Propylbenzene | 1.4 | NS | NS |
| | | | | Tetrachloroethene | 13.7 | 55 | 5 |
| | | | | Trichloroethene | 2.4 | 260 | 5 |
| | | | | n-Butylbenzene | 10.4 | NS | NS |
| | | | | sec-Butylbenzene | 10 | NS | NS |
| | | | | cis-1,2-Dichloroethene | 15.7 | 1,000 | 70 |
| | | | | trans-1,2-Dichloroethene | 2.6 | 200 | 100 |
| | | | | n-Hexane | 189 | NS | NA |
| | | | | Isopropylbenzene (Cumene) | 4.2 | NS | NS |
| n-Propylbenzene | 15.2 | NS | NS | | | | |
| p-Isopropyltoluene | 7 | NS | NS | | | | |
| 1,2,4-Trimethylbenzene | 1.3 | NS | NS | | | | |
| 1,3,5-Trimethylbenzene | 2 | NS | NS | | | | |

Notes:

- * - Total metals.
- ** - Assumes hexavalent chromium.
- NS - No standard available.
- *** - Cleanup goals derived using equations in
 - Analyte concentration exceeds default RISC commercial/industrial & residential Closure Levels.
 - Analyte concentration exceeds default RISC residential closure level.
- # - Direct-push (hydropunch) sampling location, completed before initiation of the Initial Phase II ESA.
 - a. - Direct-push water sample collected from a depth interval of 26'-30'.
 - b. - Direct-push water sample collected from a depth interval of 36'-40'.
 - c. - Direct-push water sample collected from a depth interval of 26'-30'.
 - d. - Direct-push water sample collected from a depth interval of 36'-40'.

**INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND INDIANA**

**TABLE 4
SUMMARY OF GEOTECHNICAL DATA
AREA A**

| Lab Record Number | Boring Number | Sample Number | Depth (ft) | Description | Gravel % | | Sand % | | | Silt % Clay % | | LL | PL | USCS |
|-------------------|---------------|---------------|------------|---|----------|------|--------|--------|------|---------------|------|------|------|-------|
| | | | | | Coarse | Fine | Coarse | Medium | Fine | Coarse | Fine | | | |
| 01-405 | HMW-8D | SS-10 | 18.0-20.0 | BROWN POORLY GRADED SAND, TRACE FINES | 0.0 | 0.0 | 1.0 | 27.9 | 68.1 | 3.0 | NC | NC | SP | |
| 01-400 | HMW-9D | SS-16 | 30.0-32.0 | GREY POORLY GRADED SAND, TRACE GRAVEL, FINES | 0.0 | 6.6 | 5.6 | 50.5 | 36.3 | 1.0 | NC | NC | SP | |
| 01-407 | HMW-11D | SS-5 | 14.0-16.0 | BROWN POORLY GRADED SAND, TRACE GRAVEL, FINES | 0.0 | 1.6 | 2.0 | 26.3 | 68.6 | 1.5 | NC | NC | SP | |
| 01-409 | HMW-12D | SS-7 | 12.0-14.0 | BROWN POORLY GRADED SAND WITH GRAVEL, TRACE FINES | 0.0 | 19.1 | 16.3 | 31.2 | 30.3 | 3.1 | NC | NC | SP | |
| 01-402 | HMW-13D | SS-17 | 32.0-33.0 | BROWN POORLY GRADED SAND WITH GRAVEL, TRACE FINES | 9.9 | 18.6 | 11.1 | 28.5 | 30.3 | 1.6 | NC | NC | SP | |
| 01-403 | HMW-19S | SS-2 | 2.0-4.0 | BROWN WELL-GRADED SAND, LITTLE GRAVEL, TRACE SILT, CLAY | 6.2 | 5.9 | 5.3 | 24.6 | 46.5 | 7.7 | 3.8 | NC | NC | SW-SM |
| 01-396 | HMW-21D | SS-3 | 4.0-6.0 | BROWN POORLY GRADED SAND, TRACE FINES, GRAVEL | 0.0 | 0.1 | 0.6 | 10.8 | 86.6 | 1.9 | NC | NC | SP | |
| 01-408 | HMW-22D | SS-9 | 16.0-18.0 | BROWN POORLY GRADED SAND WITH GRAVEL, TRACE FINES | 0.0 | 16.2 | 7.4 | 43.3 | 31.1 | 2.0 | NC | NC | SP | |
| 01-406 | HMW-23S | SS-8 | 14.0-15.0 | BROWN POORLY GRADED SAND, TRACE FINES, GRAVEL | 0.0 | 0.8 | 2.3 | 36.8 | 56.8 | 3.3 | NC | NC | SP | |
| 01-398 | HMW-25S | SS-2 | 2.0-4.0 | BROWN SILTY, CLAYEY SAND, LITTLE GRAVEL | 0.0 | 13.8 | 10.1 | 22.6 | 36.7 | 7.4 | 9.4 | 22.0 | 15.0 | SC-SM |
| 01-397 | HMW-29D | SS-3 | 4.0-6.0 | BROWN POORLY GRADED SAND, TRACE FINES, GRAVEL | 0.0 | 3.9 | 7.9 | 51.0 | 32.6 | 4.6 | NC | NC | SP | |
| 01-399 | HMW-29D | SS-8 | 14.0-16.0 | BROWN POORLY GRADED SAND WITH GRAVEL, TRACE FINES | 0.0 | 23.9 | 18.6 | 42.7 | 11.6 | 3.2 | NC | NC | SP | |
| 01-404 | HMW-32D | SS-11 | 20.0-22.0 | BROWN POORLY GRADED SAND, TRACE GRAVEL, FINES | 0.0 | 8.3 | 8.0 | 59.1 | 22.5 | 2.1 | NC | NC | SP | |
| 01-401 | HMW-33D | SS-29 | 50.0-52.0 | BROWN SILTY SAND, TRACE GRAVEL, CLAY | 0.0 | 5.4 | 6.6 | 30.3 | 43.9 | 11.4 | 2.4 | NC | NC | SM |

NOTE: NC - Analysis not completed due to lack of fines.

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 5

SUMMARY OF SOIL SAMPLES EXCEEDING RISC COMMERCIAL/INDUSTRIAL DEFAULT CLOSURE LEVELS
OR OTHER QUALITATIVE RISK GOALS
AREA A

| Soil Boring | Location | Suspected Source | Sample Depth | Compound | Results | Default Closure Level | Units | Exceeded RISC Exposure Media or Pathway Closure Level |
|-------------|---|---|--------------|------------------------|---------|-----------------------|----------|---|
| GB-3 | Former Railroad Spur, Northwest portion of the Underground Pipe & Valve Property | Spills from Prior Parts Degreasing Operations | 0.5'-2.0' | Lead | 306 | 230 | mg/kg dw | Migration to Groundwater |
| GB-10 | Former Railroad Spur, Outside and South of the South-central Portion of the South Bend Lathe Building | Railroad Ties | 0.0'-2.0' | Benzo(a)pyrene | 10,900 | 1,500 | ug/kg dw | Direct Contact Exposure |
| | | | | Benzo(b)fluoranthene | 16,000 | 15,000 | ug/kg dw | Direct Contact Exposure |
| | | | | Indeno(1,2,3-cd)pyrene | 3,160 | 3,100 | ug/kg dw | Migration to Groundwater |
| | | | | Cadium | 89.2 | 77 | mg/kg dw | Migration to Groundwater |
| GB-11 | Oil Staining Area, Outside and South of the South-central Portion of the South Bend Lathe Property | Probable Cutting Oils | 0.0'-1.5' | Lead | 628 | 230 | mg/kg dw | Migration to Groundwater |
| GB-12 | Oil Staining Area, Outside and South of the South-central Portion of the South Bend Lathe Property | Probable Cutting Oils | 0.0'-2.0' | Benzo(a)pyrene | 1,610 | 1,500 | ug/kg dw | Direct Contact Exposure |
| | | | | Chorium | 177 | 120 | mg/kg dw | Migration to Groundwater |
| GB-15 | Former Railroad Spur, Outside and East of the Northern Portion of Underground Pipe & Valve | Railroad Ties | 0.0'-1.0' | Benzo(a)pyrene | 2,660 | 1,500 | ug/kg dw | Direct Contact Exposure |
| | | | | Arsenic | 27.6 | 20 | mg/kg dw | Direct Contact Exposure |
| GB-16 | Former Railroad, Outside and East of the Central Portion of Underground Pipe & Valve | Railroad Ties | 0.0'-0.5' | Lead | 391 | 230 | mg/kg dw | Migration to Groundwater |
| | | | | Benzo(a)pyrene | 3,030 | 1,500 | ug/kg dw | Direct Contact Exposure |
| GB-17 | Former Railroad Spur, Outside and east of the Southern Portion of Underground Pipe & Valve | Railroad Ties | 0.0'-1.5' | Arsenic | 26 | 20 | mg/kg dw | Direct Contact Exposure |
| | | | | Lead | 337 | 230 | mg/kg dw | Migration to Groundwater |
| GB-19 | Former Railroad Spur, Outside and southeast of the Southern Portion of Underground Pipe & Valve | Railroad Ties | 0.0'-1.0' | Arsenic | 34 | 20 | mg/kg dw | Direct Contact Exposure and Migration to Groundwater |
| | | | | Lead | 429 | 230 | mg/kg dw | Migration to Groundwater |
| GB-24 | Former Railroad Spur, Outside and West of Allied Products Corp. Building 86 | Railroad Ties | 0.5'-2.0' | Arsenic | 35.9 | 20 | ug/kg dw | Direct Contact Exposure and Migration to Groundwater |

Table Continues

**INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA**

**TABLE 5 (cont'd)
SUMMARY OF SOIL SAMPLES EXCEEDING RISC COMMERCIAL/INDUSTRIAL DEFAULT CLOSURE LEVELS
OR OTHER QUALITATIVE RISK GOALS
AREA A**

| Soil Boring | Location | Suspected Source | Sample Depth | Compound | Results | Default Closure Level | Units | Exceeded RISC Exposure Media or Pathway Closure Level |
|-------------|--|--------------------|--------------|------------------------|---------|-----------------------|----------|---|
| GB-29 | Former Railroad Spur, Outside and Southwest of Allied Products Corp. Building 80 | Railroad Ties | 0.5'-1.5' | Arsenic | 41.5 | 20 | mg/kg dw | Direct Contact Exposure and Migration to Groundwater |
| | | | | Benzo(a)pyrene | 2,620 | 1,500 | ug/kg dw | Direct Contact |
| GB-31 | Former Railroad Spur, Outside and West of Allied Products Corp. Building 79 | Railroad Ties | 0.0'-1.0' | Lead | 429 | 230 | mg/kg dw | Migration to Groundwater |
| | | | | Benzo(a)pyrene | 8,900 | 1,500 | ug/kg dw | Direct Contact Exposure |
| GB-32 | Former Railroad Spur, Outside and South of the Allied Product Corp. Building 86 | Railroad Ties | 0.0'-1.5' | Benzo(a)pyrene | 1,570 | 1,500 | ug/kg dw | Direct Contact Exposure |
| GB-33 | Former Railroad Spur, Outside and east of the Southern Portion of Allied Product Corp. Building 83 | Railroad Ties | 0.0'-1.0' | Lead | 397 | 230 | mg/kg dw | Migration to Groundwater |
| | | | | Benzo(a)anthracene | 29,200 | 15,000 | ug/kg dw | Direct Contact Exposure |
| GB-34 | Former Railroad Spur, Outside and East of Allied Products Corp. Building 83 | Railroad Ties | 0.0'-1.5' | Benzo(a)pyrene | 30,900 | 1,500 | ug/kg dw | Direct Contact Exposure and Migration to Groundwater |
| | | | | Benzo(b)fluoranthene | 48,600 | 15,000 | ug/kg dw | Direct Contact Exposure |
| | | | | Chrysene | 36,900 | 25,000 | ug/kg dw | Migration to Groundwater |
| | | | | Dibenzo(a,h)anthracene | 2,530 | 1,500 | ug/kg dw | Direct Contact Exposure |
| | | | | Indeno(1,2,3-cd)pyrene | 8,260 | 3,100 | ug/kg dw | Migration to Groundwater |
| | | | | Arsenic | 34 | 20 | mg/kg dw | Direct Contact Exposure and Migration to Groundwater |
| GB-35 | Former Railroad Spur, Outside and North of Allied Product Corp. Building 86 | Railroad Ties | 0.0'-1.5' | Lead | 315 | 230 | mg/kg dw | Migration to Groundwater |
| | | | | Benzo(a)pyrene | 1,920 | 1,500 | ug/kg dw | Direct Contact Exposure |
| GS-2 | Probable Spent Foundry Sand and Misc. Debris, inside the Southeast Portion of Underground Pipe & Valve | Spent Foundry Sand | Grab | Lead | 240 | 230 | mg/kg dw | Migration to Groundwater |
| GS-3 | Probable Spent Foundry Sand and Misc. Debris, inside the Southeast Portion of Underground Pipe & Valve | Spent Foundry Sand | Grab | Benzo(a)pyrene | 2,820 | 1,500 | ug/kg dw | Direct Contact Exposure |
| | | | | Arsenic | 33.3 | 20 | mg/kg dw | Direct Contact Exposure and Migration to Groundwater |
| | | | | Lead | 259 | 230 | mg/kg dw | Migration to Groundwater |

Table Continues

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 5 (cont'd)

SUMMARY OF SOIL SAMPLES EXCEEDING RISC COMMERCIAL/INDUSTRIAL DEFAULT CLOSURE LEVELS
OR OTHER QUALITATIVE RISK GOALS
AREA A

| Soil Boring | Location | Suspected Source | Sample Depth | Compound | Results | Default Closure Level | Units | Exceeded RISC Exposure Medial or Pathway Closure Level |
|-------------|--|---|--------------|-------------------|---------|-----------------------|----------|--|
| HA-1 | Former Retention Basin, Outside and Southwest of Underground Pipe & Valve Building | Probable Fugitive Dust | 0.0'-0.5' | Lead | 599 | 230 | mg/kg dw | Migration to Groundwater |
| HA-2 | Former Retention Basin, Outside and Southwest of Underground Pipe & Valve | Probable Fugitive Dust | 0.0'-1.0' | Lead | 449 | 230 | mg/kg dw | Migration to Groundwater |
| HA-3 | Former Railroad Spur, Outside and South of Underground Pipe & Valve | Railroad Ties | 0.0'-1.0' | Arsenic | 114 | 20 | mg/kg dw | Direct Contact Exposure and Migration to Groundwater |
| | | | | Lead | 278 | 230 | mg/kg dw | Direct Contact Exposure |
| | | | | Benzo(a)pyrene | 3,100 | 1,500 | ug/kg dw | Direct Contact Exposure |
| HMW-2S | Former Railroad Spur, Outside and North of Underground Pipe & Valve | Railroad Ties | 0.5'-2.0' | Arsenic | 25 | 20 | mg/kg dw | Direct Contact Exposure |
| HMW-4S | Potential Drywell, Outside and East of the Central Portion of the Hucklins Building | Probable Fugitive Dust | 0.0'-2.0' | Lead | 426 | 230 | mg/kg dw | Migration to Groundwater |
| HMW-7S | Hydraulic Control, Outside and West of the Central Portion of Building 86 | Probable Fugitive Dust | 0.0'-2.0' | Lead | 388 | 230 | mg/kg dw | Migration to Groundwater |
| HMW-9I | Southern Portion of Allied Products Corp. Building 142 | Spills from Prior Parts Degreasing Operations | 0.5'-2.0' | Tetrachloroethene | 4,740 | 640 | ug/kg dw | Migration to Groundwater ¹ |
| HMW-12S | Former Press Pits, Inside in the Central Portion of Allied Product Corp. Building 80 | Probable Fugitive Dust | 0.5'-2.0' | Lead | 241 | 230 | mg/kg dw | Migration to Groundwater |
| HMW-13D | Former Press Pits, Inside in the Northern Portion of Allied Product Corp. Building 80 | Probable Fugitive Dust | 0.5'-2.0' | Lead | 230,000 | 230,000 | ug/kg dw | Migration to Groundwater |
| HMW-15S | Oil Staining Area, Outside and South of the South-central Portion of the South Bend Lathe Property | Probable Cutting Oils | 4.0'-5.0' | Benzo(a)pyrene | 7,610 | 1,500 | ug/kg dw | Direct Contact Exposure |

Table Continues

**INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA**

**TABLE 5 (cont'd)
SUMMARY OF SOIL SAMPLES EXCEEDING RISC COMMERCIAL/INDUSTRIAL DEFAULT CLOSURE LEVELS
OR OTHER QUALITATIVE RISK GOALS
AREA A**

| Soil Boring | Location | Suspected Source | Sample Depth | Compound | Results | Default Closure Level | Units | Exceeded RISC Exposure Media of Pathway Closure Level |
|-------------|--|---|--------------|----------------|---------|-----------------------|----------|--|
| HMW-18S | Former Degreasing Operation, Outside and South of the Eastern Portion of the South Bend Lathe Property | Spills from Prior Parts Degreasing Operations | 0.0'-1.0' | Benzo(a)pyrene | 5,260 | 1,500 | ug/kg dw | Direct Contact Exposure |
| HMW-22D | Former Railroad Spur, Outside and South of Allied Product Corp. Building 83 | Railroad Ties | 0.0'-2.0' | Arsenic | 21.4 | 20 | mg/kg dw | Direct Contact Exposure |
| HMW-24D | East and Outside of the Northern Portion of Allied Products Corp. Building 83 | Potential Paint Disposal - Otherwise Unknown | 0.5'-2.0' | Lead | 13,600 | 230 | mg/kg dw | Construction Worker and Direct Contact Exposure and Migration to Groundwater |
| HMW-27S | Former Railroad Spur, Outside and East of the South Bend Lathe Building | Railroad Ties | 0.0'-1.5' | Benzo(a)pyrene | 5,970 | 1,500 | ug/kg dw | Direct Contact Exposure |
| HMW-33D | South-central Portion of Allied Products Corp. Building 83 | Potential Paint Disposal - Otherwise Unknown | 0.0'-2.0' | Lead | 2,720 | 230 | mg/kg dw | Construction Worker and Direct Contact Exposure and Migration to Groundwater |
| SB-1 | Former UST Location, Outside and North of the Huckins Tool & Die Building | Probable Used Oils | 10.0'-11.5' | PCBs | 5.31 | 5.3 | mg/kg dw | Direct Contact Exposure |
| SB-5 | Former Retention Basin, Outside and Southwest of Underground Pipe & Valve | Railroad Ties | 0.0'-1.5' | Arsenic | 57.1 | 20 | mg/kg dw | Direct Contact Exposure and Migration to Groundwater |

Note:
1. - Based on Hull's experience modeling volatilization to indoor air in soils similar to those seen at the Site, the concentration of tetrachloroethene detected in a surface soil sample at HMW-91 may result in also unacceptable risk.

INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA

TABLE 6

SUMMARY OF GROUNDWATER NEAR OR BEYOND THE POINT OF COMPLIANCE EXCEEDING
RISC COMMERCIAL/INDUSTRIAL DEFAULT CLOSURE LEVELS
AREA A

| Soil Boring | Location | Suspected Source | Sample Date | Compound | Results (ug/L) | Cleanup Goal (ug/L) |
|-------------|--|---|-------------|------------------------|----------------|---------------------|
| HMW-23S | Near Northeast Corner of Allied Products Corp Building 82, ~140 ft. West of Point of Compliance | Releases from fuel storage or transfer (1,2,4-Trimethylbenzene is a constituent of petroleum fuels - particularly gasoline) | 9/18/01 | 1,2,4-Trimethylbenzene | 7,740 | 5,110 ¹ |
| HMW-25S | East of Allied Products Corp Building 78, ~250 ft. West of Point of Compliance | Potential change in redox conditions within or near the "oil zone" may allow mobilization of arsenic in groundwater. Other potential sources include paints, railroad ties or past wood treating operations during lumber yard operations. Potential releases from leaded fuel storage or transfer. Potential releases from used oil storage or spills. Potential use in paints. | 9/19/01 | Arsenic | 647 | 50 |
| HMW-26S | Immediately West of Guard Shack on South Bend Lathe Property, ~160 ft. West of Point of Compliance | Potential change in redox conditions within or near the "oil zone" may allow mobilization of arsenic in groundwater. Other potential sources include paints, railroad ties or past wood treating operations during lumber yard operations. Potential releases from leaded fuel storage or transfer. Potential releases from used oil storage or spills. Potential use in paints. | 9/19/01 | Arsenic | 112 | 50 |
| HMW-27S | Between South Bend Lathe Building and Former Engineering Building, ~260 ft. West and ~280 ft. South of Point of Compliance | Potential change in redox conditions within or near the "oil zone" may allow mobilization of arsenic in groundwater. Other potential sources include paints, railroad ties or past wood treating operations during lumber yard operations. Potential releases from leaded fuel storage or transfer. Potential releases from used oil storage or spills. Potential use in paints. Potential releases from leaded fuel storage or transfer. Potential releases from used oil storage or spills. Potential use in paints. Downgradient of former degreasing operations in southeast portion of South Bend Lathe building. Downgradient of probably source areas on Allied Products Corp. property (beneath buildings 86 and 142). Potential contribution from off-site sources. | 9/19/01 | Arsenic | 144 | 50 |
| | | | 9/19/01 | Lead | 240 | 42 |
| | | | 9/19/01 | Tetrachloroethene | 136 | 55 |

Table Continues

**INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT
CITY OF SOUTH BEND, INDIANA**

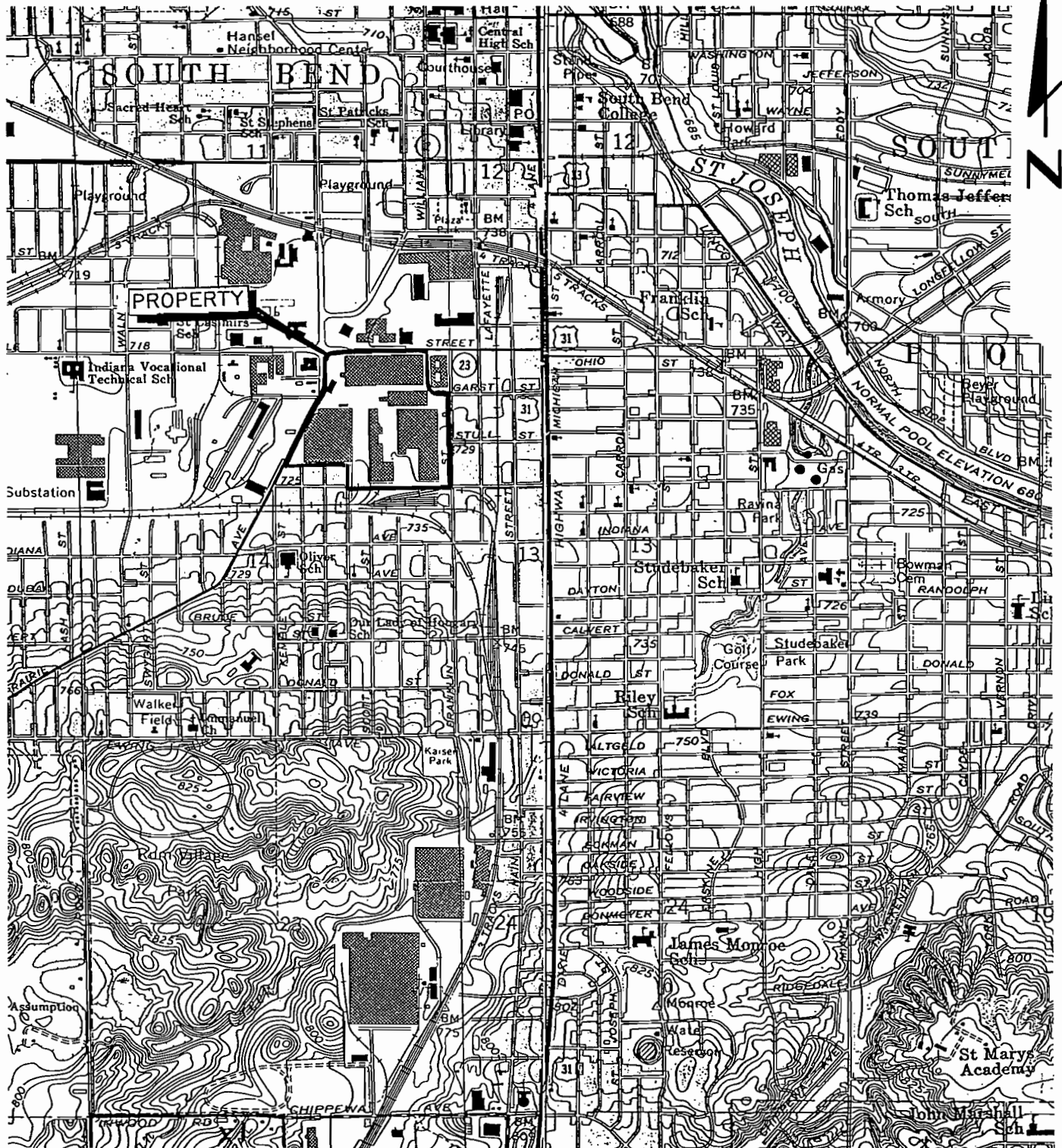
TABLE 6 (Cont'd)

**SUMMARY OF GROUNDWATER NEAR OR BEYOND THE POINT OF COMPLIANCE EXCEEDING
RISC COMMERCIAL/INDUSTRIAL DEFAULT CLOSURE LEVELS
AREA A**

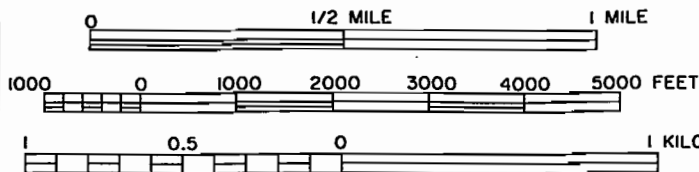
| Soil Boring | Location | Suspected Source | Sample Date | Compound | Results (ug/L) | Cleanup Goal (ug/L) |
|-------------------|---|---|-------------|-------------------|----------------|---------------------|
| HMW-31S | North of Sample Street on County Jail Property, ~ 90 ft. Outside (north) of Point of Compliance | Potential change in redox conditions within or near the "oil zone" may allow mobilization of arsenic in groundwater. Other potential sources include paints, railroad ties or past wood treating operations during lumber yard operations. Potential releases from leaded fuel storage or transfer. Potential releases from used oil storage or spills. Potential use in paints. | 9/17/01 | Arsenic | 121 | 50 |
| HMW-32I | North of Sample Street on County Jail Property, ~ 80 ft. Outside (north) of Point of Compliance | Downgradient of former degreasing operations in southeast portion of South Bend Lathe building. Downgradient of probably source areas on Allied Products Corp. property (beneath buildings 86 and 142). Potential contribution from off-Site sources. | 9/14/01 | Tetrachloroethene | 363 | 55 |
| HMW-33S | In South-central Portion of Allied Products Corp. Building 83, ~210 ft. West of Point of Compliance | Potential releases from leaded fuel storage or transfer. Potential releases from used oil storage or spills. Potential use in paints. | 9/19/01 | Lead | 132 | 42 |
| HP-1 ³ | Near Northeast Corner of Engineering Building, ~ Five ft. South of Point of Compliance | Downgradient of former degreasing operations in southeast portion of South Bend Lathe building. Downgradient of probably source areas on Allied Products Corp. property (beneath buildings 86 and 142). Potential contribution from off-Site sources. | 5/14/01 | Tetrachloroethene | 165 | 55 |
| | | Downgradient of former degreasing operations in southeast portion of South Bend Lathe building. Downgradient of probably source areas on Allied Products Corp. property (beneath buildings 86 and 142). Potential contribution from off-Site sources. | 5/14/01 | Tetrachloroethene | 64.3 | 55 |

Notes:

- Cleanup goals derived using equations in the VRP Resource Guide (Appendix F), July 1996.
- Direct-push (hydropunch) sampling location, completed before initiation of the Initial Phase II ESA. Sample containing 165 ug/L tetrachloroethene was collected from depth interval of 26'-30'. Sample containing 64 ug/L tetrachloroethene was collected from depth interval of 36'-40'.



TAKEN FROM U.S.G.S. 7.5 MIN. QUAD MAP
SOUTH BEND EAST, INDIANA - 1958
SOUTH BEND WEST, INDIANA - 1969



| | |
|--|---------------|
| Hull & Associates, Inc. TOLEDO, OHIO | |
| INITIAL PHASE II ENVIRONMENTAL SITE ASSESSMENT | |
| FIGURE I AREA A PROPERTIES | |
| CITY OF SOUTH BEND, ST. JOSEPH CO., INDIANA | |
| DATE: | FEBRUARY 2002 |
| SB1002 | |

B
HMW1D/1I/1S
(725.39)

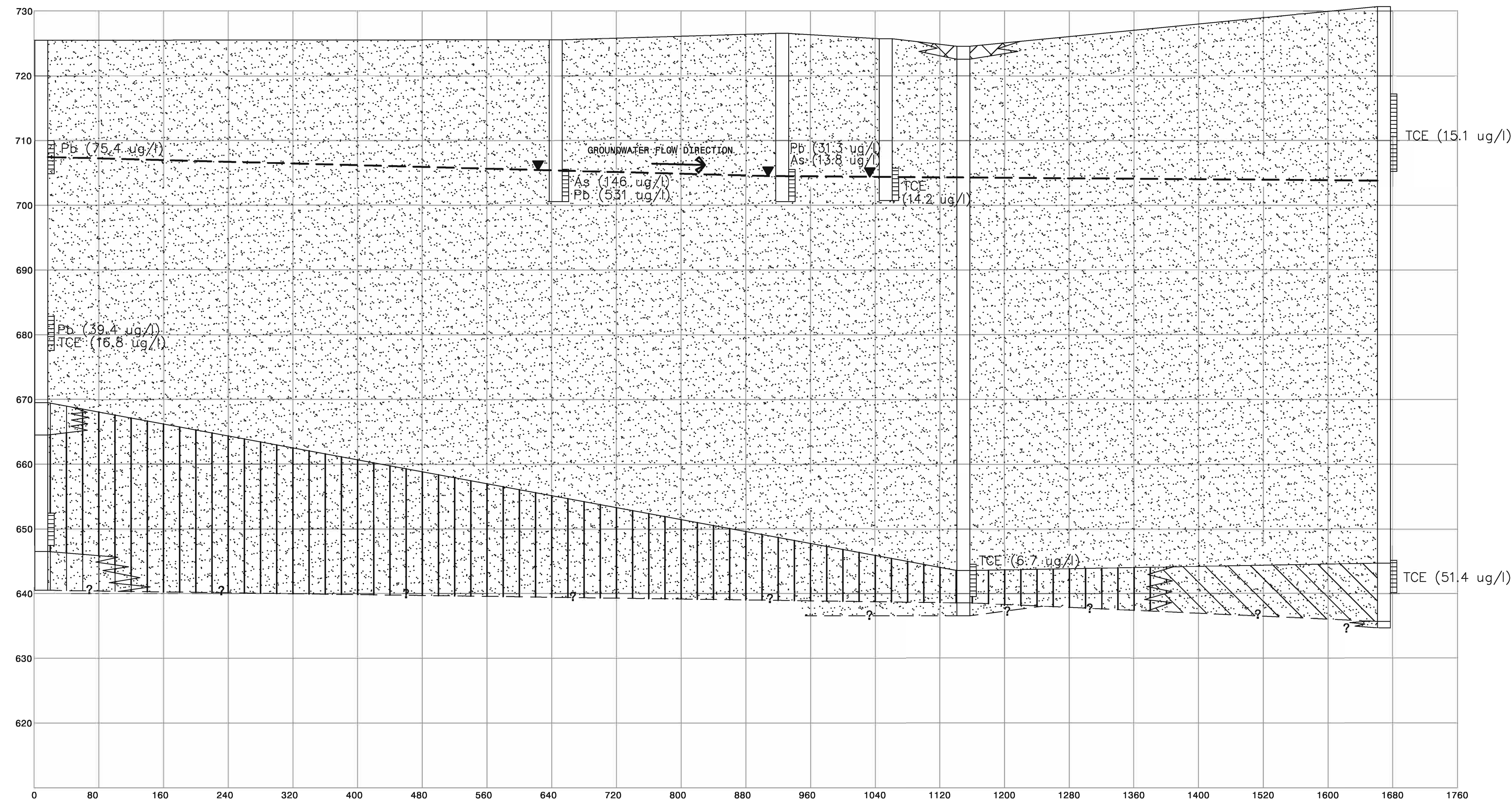
HMW2S
(725.5)

HMW3S
(726.34)

HMW5S
(725.75)

HMW6D
(724.70)

B'
HMW28D/28S
(730.63)



SCALE:
1" = 10' VERTICAL
1" = 80' HORIZONTAL



SCREENED INTERVAL



POTENTIOMETRIC SURFACE AND

Pb (30 ug/l)

LEAD (CONCENTRATION)

As (30 ug/l)

ARSENIC (CONCENTRATION)

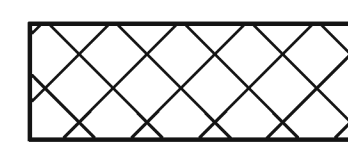
PCE (30 ug/l)

TETRACHLOROETHENE (CONCENTRATION)

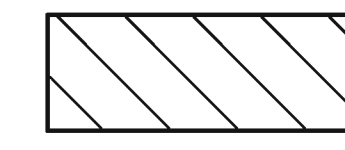
TCE (30 ug/l)

TRICHLOROETHENE (CONCENTRATION)

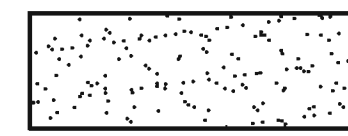
LEGEND



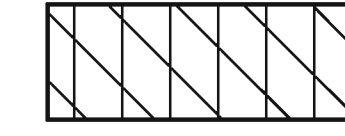
FILL: FINE TO COARSE SAND WITH MINOR AMOUNTS OF GRAVEL, SILT, CLAY, BRICKS, CONCRETE AND/OR ASPHALT FRAGMENTS



CLAYEY SILT: SILT WITH CLAY AND MINOR AMOUNTS OF FINE TO MEDIUM SAND AND/OR GRAVEL



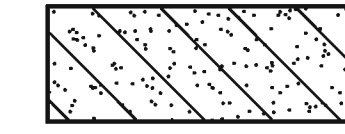
SAND: FINE TO COARSE SAND WITH MINOR AMOUNTS OF GRAVEL, SILT AND/OR CLAY



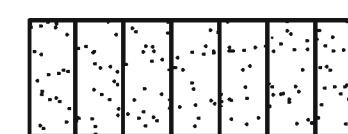
SILTY CLAY: CLAY WITH SILT AND MINOR AMOUNTS OF FINE TO MEDIUM SAND, AND/OR GRAVEL



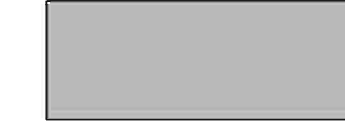
SILT: SILT WITH MINOR AMOUNTS OF CLAY, SAND, AND/OR GRAVEL



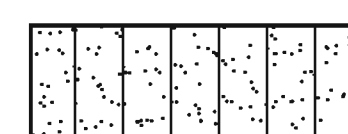
SANDY CLAY: CLAY WITH SAND AND MINOR AMOUNTS OF CLAY AND/OR GRAVEL



SANDY SILT: SILT WITH FINE TO COARSE SAND AND MINOR AMOUNTS OF CLAY AND/OR GRAVEL



SAND: SAND WITH BLACK STAINING



SILTY SAND: FINE TO COARSE SAND WITH SILT AND MINOR AMOUNTS OF CLAY AND/OR GRAVEL

REGISTERED ENGINEER _____ DATE _____

**INITIAL PHASE II ENVIRONMENTAL
SITE ASSESSMENT FOR AREA A**

OWNER:
CITY OF SOUTH BEND DEPARTMENT OF
COMMUNITY AND ECONOMIC DEVELOPMENT
SOUTH BEND, INDIANA

| DESCRIPTION | DATE | MARK |
|-------------|------|------|
| | | |
| | | |
| | | |
| | | |
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| | | |
| | | |
| | | |
| | | |
| | | |

PROJECT NO.: SB1002
CAD DWS FILE: SB1002-100.0009
PLOT DATE: 12/6/01
LAYOUT BY: MY
DRAWN BY: BK
CHECKED BY: _____
SCALE: AS NOTED
SUBMITTAL DATE: FEBRUARY 2002

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SHEET TITLE:
**PLATE 11
GEOLOGIC
CROSS SECTION
B - B'**

APPENDIX A

Soil Boring Logs and Well Construction Diagrams



Date Started : 07/31/01
 Date Completed : 07/31/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Hand Auger
 Sampling Method :
 Total Depth (ft.) : 4.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HA-1

(Page 1 of 1)

South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | Water Levels | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--------------|---------------------------|---|
| | | | | | | | | | Sampled Int. | Static During Drilling | |
| DESCRIPTION | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | Topsoil, rootlets |
| | | SS-1 | 0.0-0.5 | 2.6 | | | | | | | Dark brown SAND, rootlets |
| | | SS-1 | 0.5-1.0 | | | | | | | | |
| 1 | -1 | SS-2 | 1.0-1.3 | 5.1 | | | | | | | Same as above |
| | | SS-2 | 1.3-1.5 | | | | | | | | Brown SAND, some gravel, dry |
| | | SS-3 | 1.5-2.3 | 4.7 | | | | | | | Brown SAND, coarse, moist, trace gravel |
| | | | | | | | | | | | Same as above |
| 2 | -2 | SS-4 | 2.3-2.8 | 4.1 | | | | | | | |
| | | SS-5 | 2.8-3.3 | 4.0 | | | | | | | Same as above |
| 3 | -3 | SS-6 | 3.3-4.0 | 3.5 | | | | | | | Same as above |
| 4 | | | | | | | | | | | End of boring at 4' |

11-28-2001 F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HA-1.BOR



Date Started : 07/31/01
 Date Completed : 07/31/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Hand Auger
 Sampling Method :
 Total Depth (ft.) : 4.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HA-2

(Page 1 of 1)

South Bend Area A
 Franklin & Sample
 South Bend, IN

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

SBI002

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Dark brown SAND with gravel, rootlets, glass |
| | | SS-1 | 0.0-0.7 | 2.7 | | | | | | | | | Brown SAND with gravel, rootlets |
| | | SS-2 | 0.7-1.3 | 4.5 | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | | Same as above (no rootlets) |
| | | SS-3 | 1.3-1.7 | 4.7 | | | | | | | | | |
| | | SS-4 | 1.7-2.2 | 6.4 | | | | | | | | | Light brown SAND, some gravel |
| 2 | -2 | | | | | | | | | | | | |
| | | SS-5 | 2.2-2.7 | 8.1 | | | | | | | | | Light brown coarse SAND, trace gravel, moist |
| | | SS-6 | 2.7-3.3 | 7.8 | | | | | | | | | Same as above |
| 3 | -3 | | | | | | | | | | | | |
| | | SS-7 | 3.3-4.0 | 6.8 | | | | | | | | | Same as above |
| 4 | | | | | | | | | | | | | End of boring at 4' |



Date Started : 07/31/01
 Date Completed : 07/31/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Hand Auger
 Sampling Method :
 Total Depth (ft.) : 1.4'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HA-3

(Page 1 of 1)

South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 | 0.0-0.9 | 0.0 | | | | | | | | | Dark brown SAND with cinder, rootlets, dry |
| 1 | -1 | SS-2 | 0.9-1.4 | 3.3 | | | | | | | | | Same as above but cinders are in smaller pieces; rootlets are less prevalent Refusal at 1.4' (rock) End of boring at 1.4' |
| 2 | | | | | | | | | | | | | |



Date Started : 07/31/01
 Date Completed : 07/31/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Hand Auger
 Sampling Method :
 Total Depth (ft.) : 2.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HA-4

(Page 1 of 1)

South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|--|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 | 0.0-0.8 | 2.2 | | | | | | | | | Dark brown SAND with cinder, rootlets, dry |
| | | SS-2 | 0.8-1.4 | 5.2 | | | | | | | | | Same as above with less rootlets |
| 1 | -1 | SS-3 | 1.4-2.0 | 5.1 | | | | | | | | | Cinder fill |
| 2 | | | | | | | | | | | | | End of boring at 2.0' |



South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

Date Started : 08/23/01
 Date Completed : 08/23/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Split Spoon / GeoProbe
 Sampling Method :
 Total Depth (ft.) : 4.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING SB-26A

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | Water Levels | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---|---|---------------------------------------|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | | Concrete to 9" |
| | | SS-1 0.0-2.0 | 24/24 | 3.2 | | | | | | | |
| 1 | -1 | | | | | | | | | | Brown clayey SAND, moist |
| 2 | -2 | SS-2 2.0-4.0 | 24/18 | 6.8 | | | | | | | Same as above |
| 3 | -3 | | | | | | | | | | Brown fine to medium SAND, trace silt |
| 4 | | | | | | | | | | | End of boring at 4.0' |

11-30-2001 F:\CLIENTS\SB\SB002\SOIL BORING LOGS\SB-26A.BOR



Date Started : 08/23/01
 Date Completed : 08/23/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Split Spoon / GeoProbe
 Sampling Method :
 Total Depth (ft.) : 4.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING SB-27A

(Page 1 of 1)

South Bend Area A
 UP&V Reservoir
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | Water Levels | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---|--|--|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | | |
| 0.0-2.0 | | SS-1 0.0-2.0 | 24/24 | 4.1 | | | | | | | Crushed LIMESTONE and slag gravel |
| 2.0-4.0 | | SS-2 2.0-4.0 | 24/24 | 6.5 | | | | | | | Dark brown clayey FILL, few gravel, few sand, brick fragments, cloth noted |
| 4.0 | | | | | | | | | | | End of boring at 4.0' |



South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

Date Started : 07/31/01
Date Completed : 07/31/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 85.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-1D

(Page 1 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : Photo vac 100ppm ISO
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION | Well: HMW-1D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|--|------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | | |
| 0 | 0 | HA-1/ 0.0-2.0 | | 2.3 | | | | | | Black organic rich medium to fine SAND, trace silt, trace gravel, dry, rootlets throughout | |
| 1 | -1 | | | | | | | | | | |
| 2 | -2 | HA-2/ 2.0-4.0 | | 4.8 | | | | | | Brown medium to coarse SAND, trace gravel, moist, loose | |
| 3 | -3 | | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/10 | 4.9 | 1-5-1 | | | | | Used tile probe from 4 to 5, begin s/s at 4.0' | |
| 5 | -5 | | | | | | | | | Same as above, trace silt | |
| 6 | -6 | SS-4 6.0-8.0 | 24/12 | 3.3 | 2-3-1 | | | | | Same as above | |
| 7 | -7 | | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/18 | 6.0 | 2-2-3 | | | | | Same as above, less silt | |
| 9 | -9 | | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/12 | 6.4 | 3-9-9 | | | | | Same as above | |
| 11 | -11 | | | | | | | | | | |
| 12 | -12 | SS-7 12.0-14.0 | 24/14 | 4.8 | 4-14-11 | | | | | Same as above | |
| 13 | -13 | | | | | | | | | | |
| 14 | -14 | SS-8 14.0-16.0 | 24-12 | 3.1 | 4-20-11 | | | | | Same as above | |
| 15 | -15 | | | | | | | | | | |
| 16 | -16 | SS-9 16.0-18.0 | 24/24 | 4.7 | 9-26-12 | | | | | Same as above, wet, more gravel, more coarse sand | |
| 17 | | | | | | | | | | | |

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11-30-2001



Date Started : 07/31/01
 Date Completed : 07/31/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 85.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-1D

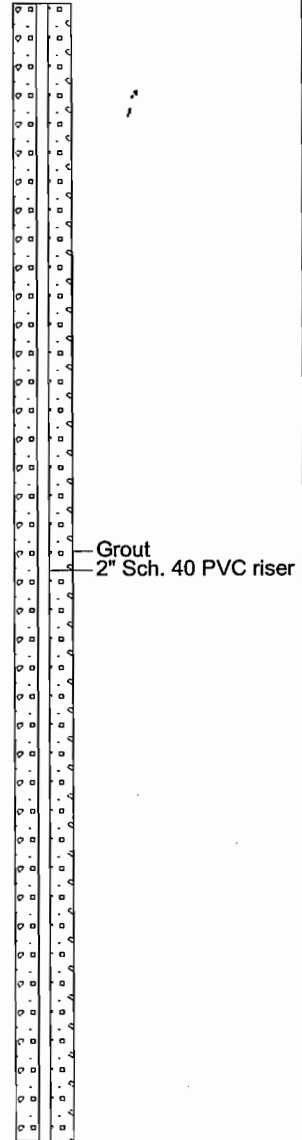
(Page 2 of 5)

South Bend Area A
 UP&V Reservoir
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : Photo vac 100ppm ISO
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-1D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 17 | -17 | | | | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/12 | 2.8 | 9-24-6 | | | | | | | Same as above | |
| 19 | -19 | | | | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/12 | 6.1 | 3-10-7 | | | | | | | Same as above | |
| 21 | -21 | | | | | | | | | | | | |
| 22 | -22 | SS-12 22.0-24.0 | 24/12 | 5.9 | 4-10-8 | | | | | | | Same as above | |
| 23 | -23 | | | | | | | | | | | | |
| 24 | -24 | SS-13 24.0-26.0 | 24/12 | 5.0 | 5-18-13 | | | | | | | Same as above, less gravel, less coarse sand | |
| 25 | -25 | | | | | | | | | | | | |
| 26 | -26 | SS-14 26.0-28.0 | 24/12 | 4.1 | 2-14-2 | | | | | | | Same as above | |
| 27 | -27 | | | | | | | | | | | | |
| 28 | -28 | SS-15 28.0-30.0 | 24/16 | 3.0 | 4-16-13 | | | | | | | Same as above | |
| 29 | -29 | | | | | | | | | | | | |
| 30 | -30 | SS-16 30.0-32.0 | 24/14 | 8.4 | 5-18-15 | | | | | | | Same as above, hit rock in end of spoon | |
| 31 | -31 | | | | | | | | | | | | |
| 32 | -32 | SS-17 32.0-34.0 | 24/12 | 5.1 | 9-48-30 | | | | | | | Same as above | |
| 33 | -33 | | | | | | | | | | | | |
| 34 | -34 | | | | | | | | | | | | |



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-1D.BOR

11-30-2001



Date Started : 07/31/01
 Date Completed : 07/31/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 85.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-1D

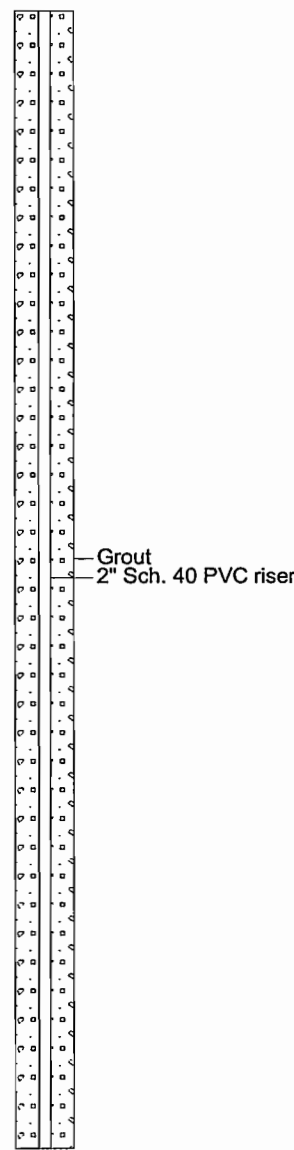
(Page 3 of 5)

South Bend Area A
 UP&V Reservoir
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : Photo vac 100ppm ISO
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-1D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|-------------|------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 34 | -34 | SS-18 34.0-36.0 | 24/18 | 7.1 | 7-38-29 | | | | | | | | |
| 35 | -35 | | | | | | | | | | | | |
| 36 | -36 | SS-19 36.0-37.0 | 24/0 12/6 | 7.1 5.8 | 15-50-27 | | | | | | | | |
| 37 | -37 | SS-20 37.0-39.0 | 24/12 | 5.5 | 8-34-25 | | | | | | | | |
| 38 | -38 | | | | | | | | | | | | |
| 39 | -39 | SS-21 39.0-41.0 | 24/12 | 0 | 21-40-27 | | | | | | | | |
| 40 | -40 | | | | | | | | | | | | |
| 41 | -41 | SS-22 41.0-43.0 | 24/12 | 1.9 | 29-66-27 | | | | | | | | |
| 42 | -42 | | | | | | | | | | | | |
| 43 | -43 | SS-23 43.0-45.0 | 24/18 | 3.5 | 15-51-27 | | | | | | | | |
| 44 | -44 | | | | | | | | | | | | |
| 45 | -45 | SS-24 45.0-47.0 | 24/12 | 1.7 | 18-85-50 | | | | | | | | |
| 46 | -46 | | | | | | | | | | | | |
| 47 | -47 | SS-25 47.0-49.0 | 24/22 | 1.8 | 14-66-40 | | | | | | | | |
| 48 | -48 | | | | | | | | | | | | |
| 49 | -49 | SS-26 49.0-51.0 | 24/16 | 1.1 | 7-39-27 | | | | | | | | |
| 50 | -50 | | | | | | | | | | | | |
| 51 | -51 | | | | | | | | | | | | |



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-1D.BOR 11-30-2001

Date Started : 07/31/01
 Date Completed : 07/31/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 85.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-1D

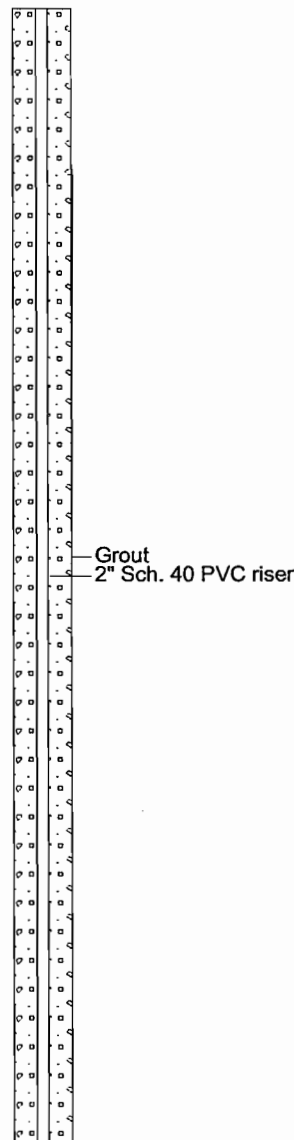
(Page 4 of 5)

South Bend Area A
 UP&V Reservoir
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : Photo vac 100ppm ISO
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-1D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|-------------|------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 51 | -51 | SS-27 51.0-53.0 | 24/22 | 2.3 | 5-46-44 | | | | | | | | |
| 52 | -52 | | | | | | | | | | | | |
| 53 | -53 | SS-28 53.0-55.0 | 24/14 | 3.0 | 5-29-21 | | | | | | | | |
| 54 | -54 | | | | | | | | | | | | |
| 55 | -55 | SS-29 55.0-57.0 | 24/22 | 4.0 | 7-26-28 | | | | | | | | |
| 56 | -56 | | | | | | | | | | | | |
| 57 | -57 | SS-30 57.0-59.0 | 24/12 | 3.7 | 3-9-11 | | | | | | | | |
| 58 | -58 | | | | | | | | | | | | |
| 59 | -59 | SS-31 59.0-61.0 | 24/24 | 1.3 | 8-26-16 | | | | | | | | |
| 60 | -60 | | | | | | | | | | | | |
| 61 | -61 | SS-32 61.0-63.0 | 24/24 | 9.1 | 13-31-21 | | | | | | | | |
| 62 | -62 | | | | | | | | | | | | |
| 63 | -63 | SS-33 63.0-65.0 | 24/24 | 7.8 | 29-45-26 | | | | | | | | |
| 64 | -64 | | | | | | | | | | | | |
| 65 | -65 | SS-34 65.0-67.0 | 24/10 | 9.2 | 35-50 | | | | | | | | |
| 66 | -66 | | | | | | | | | | | | |
| 67 | -67 | SS-35 67.0-69.0 | 24/24 | 6.5 | 15-46-27 | | | | | | | | |
| 68 | | | | | | | | | | | | | |



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-1D.BOR

Date Started : 07/31/01
 Date Completed : 07/31/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 85.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-1D

(Page 5 of 5)

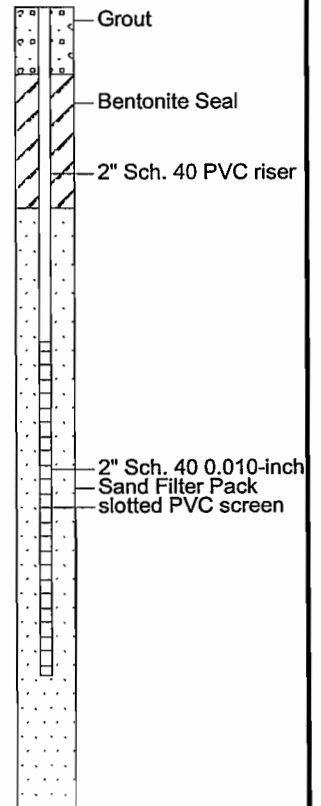
South Bend Area A
 UP&V Reservoir
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : Photo vac 100ppm ISO
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------------------------|-------------------------------|---|
| | | | | | | | | ☒ Sampled Int. ■ Lab Sample | ▼ Static ▽ During Drilling | |
| 68 | -68 | | | | | | | | | |
| 69 | -69 | SS-36 69.0-71.0 | 24/24 | 8.2 | 11-30-19 | | | | | Same as above, trace gravel |
| 70 | -70 | | | | | | | | | |
| 71 | -71 | SS-37 71.0-73.0 | 24/24 | 3.1 | 11-48-26 | | | | | Same as above |
| 72 | -72 | | | | | | | | | |
| 73 | -73 | SS-38 73.0-75.0 | 24/24 | 6.4 | 8-34-27 | | | | | Same as above, more gravel |
| 74 | -74 | | | | | | | | | |
| 75 | -75 | SS-39 75.0-77.0 | 24/24 | 8.9 | 6-18-14 | | | | | Same as above, no clay, less gravel |
| 76 | -76 | | | | | | | | | |
| 77 | -77 | SS-40 77.0-79.0 | 24/24 | 5.8 | 4-15-13 | | | | | Same as above |
| 78 | -78 | | | | | | | | | |
| 79 | -79 | SS-41 79.0-81.0 | 24/24 | 3.5 | 7-17-13 | | | | | Grey silty fine SAND, wet, trace gravel |
| 80 | -80 | | | | | | | | | Same as above |
| 81 | -81 | SS-42 81.0-83.0 | 24/18 | 3.9 | 23-31-50 | | | | | Same as above |
| 82 | -82 | | | | | | | | | Brown and grey layering |
| 83 | -83 | SS-43 83.0-85.0 | 24/24 | 3.6 | 14-34-23 | | | | | Same as above, no layering less silt |
| 84 | -84 | | | | | | | | | Same as above, brown and grey layering |
| 85 | -85 | | | | | | | | | End of boring at 85' |

Well: HMW-1D
 Elev.:





South Bend Area A
UP&V Reservoir
South Bend, IN
SBI002

Date Started : 08/02/01
Date Completed : 08/02/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 24.0'
S. Water Level Date :
S. Water Level (ft.) :

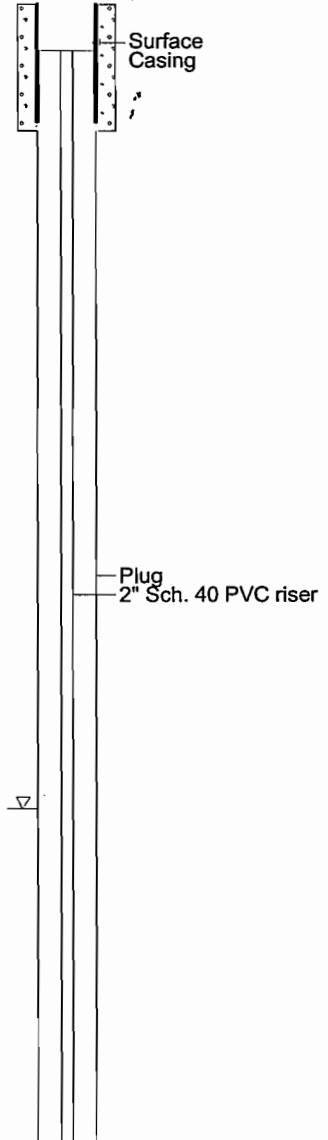
LOG OF BORING HMW-6S

(Page 1 of 2)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|--|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | SS-1 0.0-2.0 | 24/12 | 7.1 | 7-27-8 | | | | | Black organic rich medium to fine sand FILL, few silt, trace gravel, dry, slag fragments noted |
| 1 | -1 | | | | | | | | | |
| 2 | -2 | | 24/0 | 8.9 | 1-4-3 | | | | | No recovery, no catch, black staining on spoon |
| 3 | -3 | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/10 | 14.5 | 1-4-3 | | | | | Black stained medium to coarse SAND, trace gravel, trace silt |
| 5 | -5 | | | | | | | | | |
| 6 | -6 | SS-4 6.0-8.0 | 24/12 | 11.9 | 1-4-4 | | | | | Same as above |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/12 | 5.4 | 2-5-3 | | | | | Same as above, wet |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/12 | 10.5 | 2-6-7 | | | | | Same as above |
| 11 | -11 | | | | | | | | | Brown medium to coarse SAND, trace silt, trace gravel |
| 12 | | | | | | | | | | |

Well: HMW-6S
Elev.:



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11-30-2001

South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

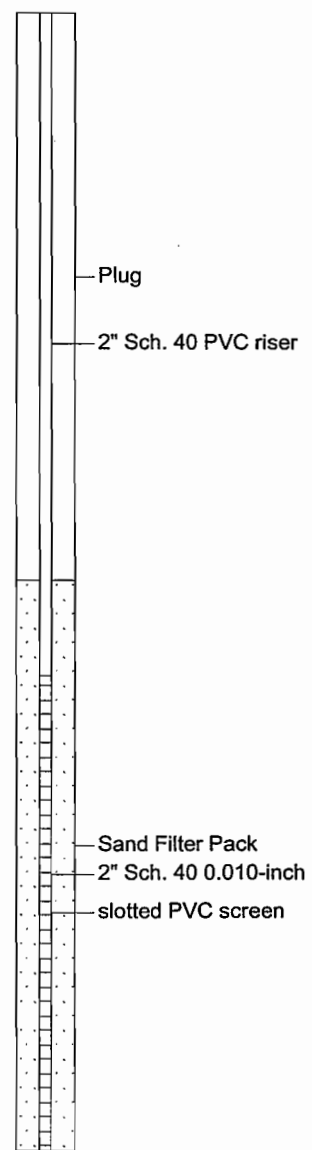
Date Started : 08/02/01
Date Completed : 08/02/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 24.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-6S

(Page 2 of 2)

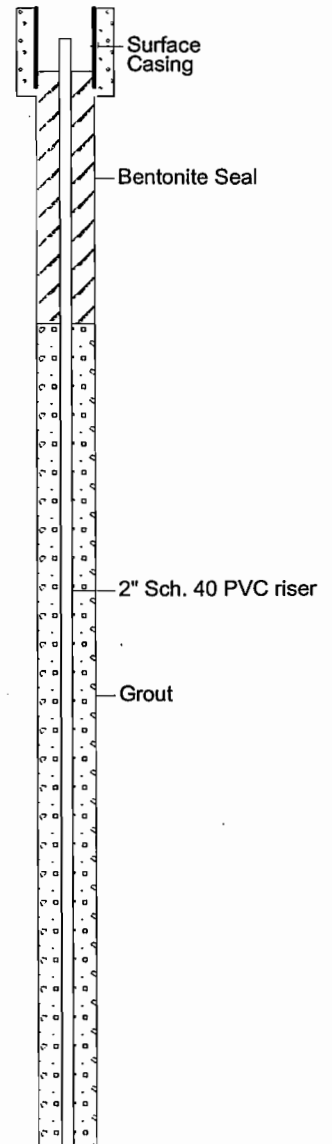
G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-6S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|-------------|------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 12 | -12 | | 24/2 | | 7-18-12 | | | | | | | | |
| 13 | -13 | | | | | | | | | | | | |
| 14 | -14 | SS-7 14.0-16.0 | 24-10 | 9.2 | 6-13-10 | | | | | | | | |
| 15 | -15 | | | | | | | | | | | | |
| 16 | -16 | SS-8 16.0-18.0 | 24/10 | 8.6 | 4-15-12 | | | | | | | | |
| 17 | -17 | | | | | | | | | | | | |
| 18 | -18 | SS-9 18.0-20.0 | 24/10 | 2.5 | 4-17-9 | | | | | | | | |
| 19 | -19 | | | | | | | | | | | | |
| 20 | -20 | SS-10 20.0-22.0 | 24/12 | 8.4 | 6-15-10 | | | | | | | | |
| 21 | -21 | | | | | | | | | | | | |
| 22 | -22 | SS-11 22.0-24.0 | 24/12 | 9.4 | 4-12-9 | | | | | | | | |
| 23 | -23 | | | | | | | | | | | | |
| 24 | -24 | | | | | | | | | | | | |



| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------------------------|-------------------------------|--|
| | | | | | | | | ☒ Sampled Int. ■ Lab Sample | ▼ Static ▽ During Drilling | |
| 0 | 0 | HA-1/ 0.0-2.0 | | 1.6 | | | | | | Black organic rich medium to fine sand FILL, trace silt, trace gravel, dry, slag fragments noted |
| 1 | -1 | | | | | | | | | |
| 2 | -2 | HA-2/ 2.0-4.0 | | 4.1 | | | | | | |
| 3 | -3 | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/14 | 3.4 | 4-9-4 | | | | | Brown medium to coarse SAND, trace gravel, trace silt, moist Same as above |
| 5 | -5 | | | | | | | | | |
| 6 | -6 | SS-4 6.0-8.0 | 24/12 | 6.4 | 3-7-3 | | | | | Same as above, black colored banding |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/18 | 3.4 | 5-10-5 | | | | | Same as above |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/18 | 5.3 | 3-5-3 | | | | | Same as above |
| 11 | -11 | | | | | | | | | |
| 12 | -12 | SS-7 12.0-14.0 | 24/14 | 2.8 | 7-29-15 | | | | | Same as above, more coarse SAND, more gravel |
| 13 | -13 | | | | | | | | | |
| 14 | -14 | SS-8 14.0-16.0 | 24/10 | 5.6 | 17-61-20 | | | | | Same as above, increase to a few gravel |
| 15 | -15 | | | | | | | | | |
| 16 | -16 | SS-9 16.0-18.0 | 24/12 | 8.8 | 13-28-16 | | | | | Same as above |
| 17 | -17 | | | | | | | | | |
| 18 | -18 | | | | | | | | | |

Well: HMW-6D
Elev.:



Date Started : 08/02/01
 Date Completed : 08/02/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 88.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-6D

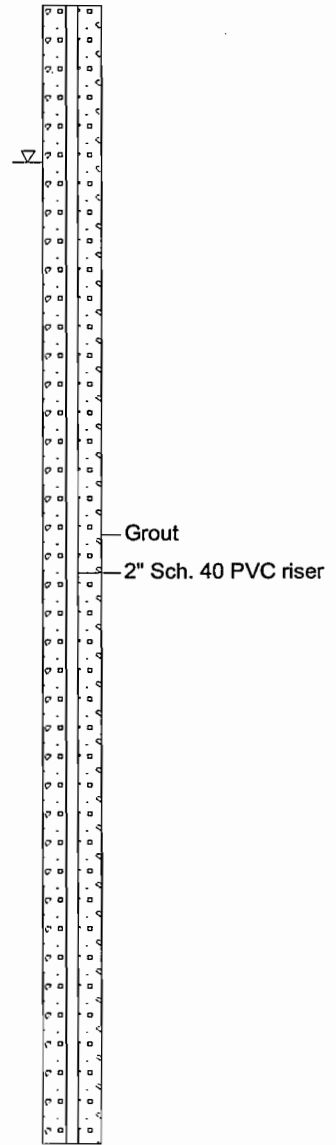
(Page 2 of 5)

South Bend Area A
 UP&V Reservoir
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 18 | -18 | SS-10 18.0-20.0 | 24/12 | 9.5 | 16-35-15 | | | | | Same as above |
| 19 | -19 | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/16 | 1.3 | 10-26-15 | | | | | Same as above, wet |
| 21 | -21 | | | | | | | | | |
| 22 | -22 | SS-12 22.0-24.0 | 24/12 | 0.3 | 8-37-17 | | | | | Same as above, black staining at 21.5', 2" thick Same as above, increase medium grain SAND |
| 23 | -23 | | | | | | | | | |
| 24 | -24 | SS-13 24.0-26.0 | 24/8 | 0.0 | 11-28-17 | | | | | Same as above |
| 25 | -25 | | | | | | | | | |
| 26 | -26 | SS-14 26.0-28.0 | 24/14 | 2.4 | 10-27-11 | | | | | Same as above |
| 27 | -27 | | | | | | | | | |
| 28 | -28 | SS-15 28.0-30.0 | 24/10 | 0.9 | 5-15-9 | | | | | Same as above |
| 29 | -29 | | | | | | | | | |
| 30 | -30 | SS-16 30.0-32.0 | 24/12 | 1.3 | 23-52-28 | | | | | Same as above, increase silt (still trace) |
| 31 | -31 | | | | | | | | | |
| 32 | -32 | SS-17 32.0-34.0 | 24/16 | 2.3 | 7-27-31 | | | | | Same as above, fine to medium grain SAND, trace gravel, trace silt, wet |
| 33 | -33 | | | | | | | | | |
| 34 | -34 | SS-18 34.0-36.0 | 24/12 | 0.0 | 13-39-31 | | | | | Same as above, large stone in end of spoon |
| 35 | -35 | | | | | | | | | |
| 36 | -36 | | | | | | | | | |



Date Started : 08/02/01
 Date Completed : 08/02/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 88.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-6D

(Page 3 of 5)

South Bend Area A
 UP&V Reservoir
 South Bend, IN
 SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-6D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|-------------|------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 36 | -36 | SS-19 36.0-38.0 | 23/14 | 1.4 | 36-61-50 | ☒ | | | | | | | |
| 37 | -37 | | | | | ☒ | | | | | | | |
| 38 | -38 | SS-20 38.0-40.0 | 24/16 | 1.7 | 15-54-40 | ☒ | | | | | | | |
| 39 | -39 | | | | | ☒ | | | | | | | |
| 40 | -40 | SS-21 40.0-42.0 | 24/16 | 0.0 | 29-78-50 | ☒ | | | | | | | |
| 41 | -41 | | | | | ☒ | | | | | | | |
| 42 | -42 | SS-22 42.0-44.0 | 24/8 | 0.7 | 15-54-39 | ☒ | | | | | | | |
| 43 | -43 | | | | | ☒ | | | | | | | |
| 44 | -44 | SS-23 44.0-46.0 | 23/12 | 0.1 | 28-88-50 | ☒ | | | | | | | |
| 45 | -45 | | | | | ☒ | | | | | | | |
| 46 | -46 | SS-24 46.0-48.0 | 24/4 | 0.0 | 15-88-4 | ☒ | | | | | | | |
| 47 | -47 | | | | | ☒ | | | | | | | |
| 48 | -48 | SS-24 48.0-50.0 | 11/10 | 0.0 | 38-50 | ☒ | | | | | | | |
| 49 | -49 | | | | | ☒ | | | | | | | |
| 50 | -50 | | 23/0 | | 9-63-50 | ☒ | | | | | | | |
| 51 | -51 | | | | | ☒ | | | | | | | |
| 52 | -52 | SS-25 52.0-54.0 | 23/12 | 1.6 | 15-67-50 | ☒ | | | | | | | |
| 53 | -53 | | | | | ☒ | | | | | | | |
| 54 | -54 | | | | | ☒ | | | | | | | |





South Bend Area A
UP&V Reservoir
South Bend, IN
SBI002

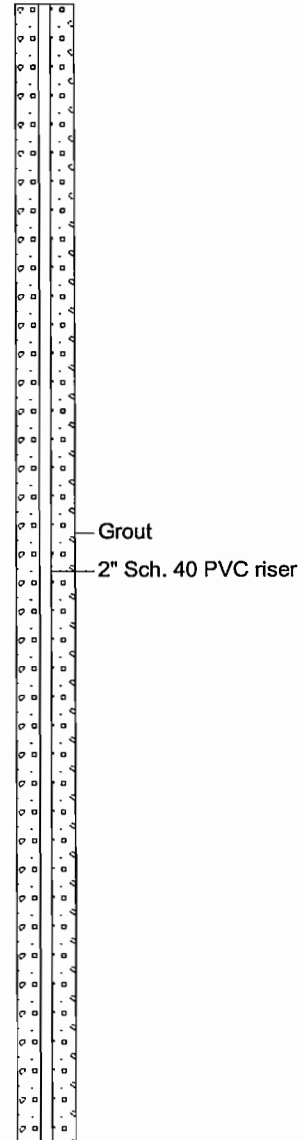
Date Started : 08/02/01
Date Completed : 08/02/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 88.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-6D

(Page 4 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-6D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|---|------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 54 | -54 | | 23/0 | | 25-71-50 | | | | | | | | |
| 55 | -55 | | | | | | | | | | | No recovery, resampling same interval, no recovery on 2nd attempt | |
| 56 | -56 | SS-26 56.0-58.0 | 23/14 | 1.3 | 18-54-50 | | | | | | | Same as above, black staining at 57.5 | |
| 57 | -57 | | | | | | | | | | | | |
| 58 | -58 | SS-27 58.0-60.0 | 17/14 | 1.6 | 13-28-50 | | | | | | | Same as above | |
| 59 | -59 | | | | | | | | | | | | |
| 60 | -60 | SS-28 60.0-62.0 | 24/12 | 2.1 | 15-52-38 | | | | | | | Same as above | |
| 61 | -61 | | | | | | | | | | | | |
| 62 | -62 | SS-29 62.0-64.0 | 17/0 | | 18-36-50 | | | | | | | No Recovery | |
| 63 | -63 | | | | | | | | | | | | |
| 64 | -64 | SS-30 64.0-66.0 | 16/10 | 8.4 | 17-32-50 | | | | | | | Same as above, less gravel | |
| 65 | -65 | | | | | | | | | | | | |
| 66 | -66 | SS-31 66.0-68.0 | 17/14 | 0.5 | 7-32-50 | | | | | | | Same as above, more gravel | |
| 67 | -67 | | | | | | | | | | | | |
| 68 | -68 | | 15/15 | | 27-25-50 | | | | | | | 1" of brown clayey SILT, very stiff in spoon, dry 14" of sluff 1" clayey SILT at end | |
| 69 | -69 | | | | | | | | | | | | |
| 70 | -70 | SS-32 70.0-72.0 | 21/18 | 4.1 | 6-38-50 | | | | | | | Brown medium to coarse SAND, trace gravel, trace silt, wet | |
| 71 | -71 | | | | | | | | | | | | |
| 72 | -72 | | | | | | | | | | | | |



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-6D.BOR

11-30-2001

Date Started : 08/02/01
 Date Completed : 08/02/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 88.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-6D

(Page 5 of 5)

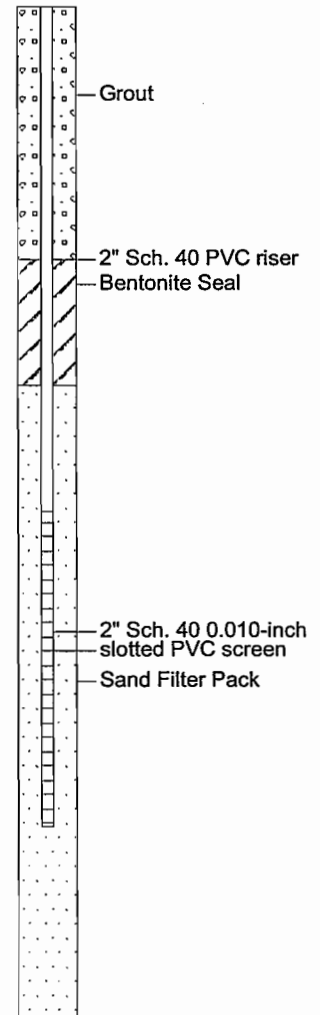
South Bend Area A
 UP&V Reservoir
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 72 | -72 | SS-33 72.0-74.0 | 21/16 | 2.5 | 13-48-50 | | | | | Same as above |
| 73 | -73 | | | | | | | | | |
| 74 | -74 | SS-34 74.0-76.0 | 12/12 | | 38-120 | | | | | Same as above, less gravel |
| 75 | -75 | | | | | | | | | |
| 76 | -76 | SS-35 76.0-78.0 | 21/21 | 1.1 | 18-63-50 | | | | | Same as above, no gravel |
| 77 | -77 | | | | | | | | | |
| 78 | -78 | SS-36 78.0-80.0 | 15/15 | 7.5 | 18-72-50 | | | | | Brown silty CLAY, few sand and gravel, 1" thick in end of spoon No recovery on first attempt, took 109 to go 6" |
| 79 | -79 | | | | | | | | | |
| 80 | -80 | SS-37 80.0-82.0 | 12/12 | 4.2 | 34-100 | | | | | Brown medium to fine SAND, trace gravel, wet, very dense Same as above, no gravel, increase fines |
| 81 | -81 | | | | | | | | | |
| 82 | -82 | | 24/0 | | 12-89 | | | | | Brown fine to very fine silty SAND, wet, no recovery |
| 83 | -83 | | | | | | | | | |
| 84 | -84 | SS-38 84.0-86.0 | 24/4 | 0 | 1-9-20 | | | | | Same as above, 1" silt seem at end of spoon |
| 85 | -85 | | | | | | | | | |
| 86 | -86 | SS-39 86.0-88.0 | 24/12 | 0 | 23-9 | | | | | Brown fine to medium grain SAND, trace gravel, trace silt |
| 87 | -87 | | | | | | | | | |
| 88 | -88 | | | | | | | | | End of boring at 88.0' |
| 89 | -89 | | | | | | | | | |
| 90 | -90 | | | | | | | | | |

Well: HMW-6D
 Elev.:





Date Started : 08/09/01
 Date Completed : 08/09/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 ID HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 78.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-8D

(Page 1 of 6)

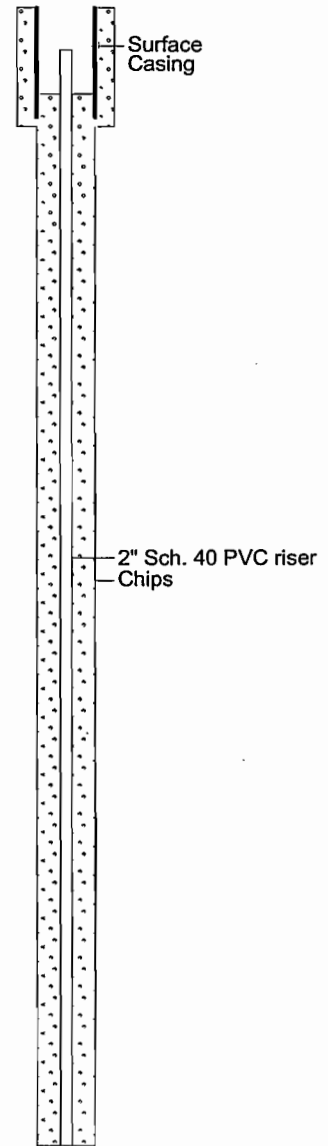
South Bend Area A
 UP&V Reservoir
 South Bend, IN

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

SBI002

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | Concrete |
| 1 | -1 | HA-1/ 1.0-2.0 | | 1.8 | | | | | | |
| 2 | -2 | HA-2/ 2.0-4.0 | | 2.3 | | | | | | Brown silty medium to coarse SAND, trace gravel moist |
| 3 | -3 | | | | | | | | | Light brown medium to coarse SAND, trace gravel moist |
| 4 | -4 | SS-3 4.0-6.0 | 24/14 | 0.9 | 4-17-8 | | | | | Same as above |
| 5 | -5 | | | | | | | | | |
| 6 | -6 | SS-4 6.0-8.0 | 24/18 | 2.1 | 4-9-5 | | | | | Same as above, less gravel |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/22 | 5.6 | 3-6-4 | | | | | Same as above |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/16 | 0.6 | 2-6-4 | | | | | Same as above, increase gravel |
| 11 | -11 | | | | | | | | | |
| 12 | -12 | SS-7 12.0-14.0 | 24/14 | 2.9 | 4-19-16 | | | | | Same as above |
| 13 | | | | | | | | | | |

Well: HMW-8D
 Elev.:





South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

Date Started : 08/09/01
Date Completed : 08/09/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 78.0'
S. Water Level Date :
S. Water Level (ft.) :

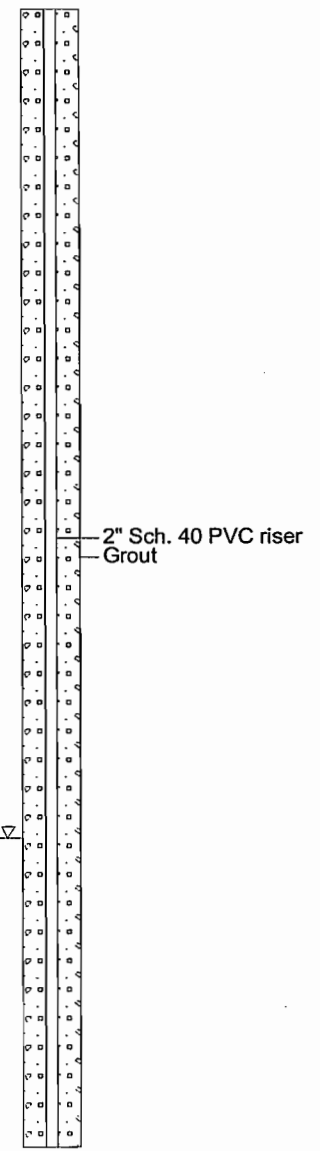
LOG OF BORING HMW-8D

(Page 2 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|---|-----------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| 13 | -13 | | | | | | | | | | | |
| 14 | -14 | SS-8 14.0-16.0 | 24/14 | 2.4 | 4-21-13 | | | | | | | Same as above, no gravel |
| 15 | -15 | | | | | | | | | | | |
| 16 | -16 | SS-9 16.0-18.0 | 24/20 | 2.1 | 4-47-31 | | | | | | | Same as above |
| 17 | -17 | | | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/24 | 0.8 | 11-29-17 | | | | | | | Same as above, trace gravel |
| 19 | -19 | | | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/20 | 0.0 | 11-31-17 | | | | | | | Same as above |
| 21 | -21 | | | | | | | | | | | |
| 22 | -22 | SS-12 22.0-24.0 | 24/18 | 0.0 | 8-16-12 | | | | | | | Same as above, wet |
| 23 | -23 | | | | | | | | | | | |
| 24 | -24 | SS-13 24.0-26.0 | 24/20 | 0.0 | 4-22-21 | | | | | | | Same as above |
| 25 | -25 | | | | | | | | | | | |
| 26 | -26 | | | | | | | | | | | |

Well: HMW-8D
Elev.:





Date Started : 08/09/01
 Date Completed : 08/09/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 ID HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 78.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-8D

(Page 3 of 6)

South Bend Area A
 UP&V Reservoir
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 26 | -26 | SS-14 26.0-28.0 | 24/24 | 0.0 | 5-15-13 | | | | | | | <p>Well: HMW-8D Elev.:</p> <p>2" Sch. 40 PVC riser Grout</p> |
| 27 | -27 | | | | | | | | | | | |
| 28 | -28 | SS-15 28.0-30.0 | 24/22 | 0.0 | 4-19-19 | | | | | | | |
| 29 | -29 | | | | | | | | | | | |
| 30 | -30 | SS-16 30.0-32.0 | 24/22 | 0.0 | 4-18-13 | | | | | | | |
| 31 | -31 | | | | | | | | | | | |
| 32 | -32 | SS-17 32.0-34.0 | 24/20 | 0.0 | 4-16-17 | | | | | | | |
| 33 | -33 | | | | | | | | | | | |
| 34 | -34 | SS-18 34.0-36.0 | 24/22 | 0.0 | 5-24-25 | | | | | | | |
| 35 | -35 | | | | | | | | | | | |
| 36 | -36 | SS-19 36.0-38.0 | 24/20 | 0.0 | 2-15-13 | | | | | | | |
| 37 | -37 | | | | | | | | | | | |
| 38 | -38 | SS-20 38.0-40.0 | 24/10 | 0.0 | 13-31-19 | | | | | | | |
| 39 | | | | | | | | | | | | |

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11-30-2001



South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

Date Started : 08/09/01
Date Completed : 08/09/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 78.0'
S. Water Level Date :
S. Water Level (ft.) :

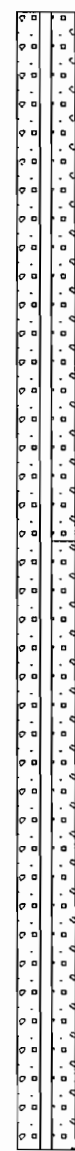
LOG OF BORING HMW-8D

(Page 4 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12" 6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|---|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 39 | -39 | | | | | | | | | | | |
| 40 | -40 | SS-21 40.0-42.0 | 24/10 | 0.0 | 16-29-16 | | | | | | | Same as above, less gravel |
| 41 | -41 | | | | | | | | | | | |
| 42 | -42 | SS-22 42.0-44.0 | 24/16 | 0.0 | 11-39-23 | | | | | | | Same as above, increase gravel |
| 43 | -43 | | | | | | | | | | | |
| 44 | -44 | SS-23 44.0-46.0 | 24/20 | 0.0 | 7-60-45 | | | | | | | Same as above, large cobble in end of spoon |
| 45 | -45 | | | | | | | | | | | |
| 46 | -46 | SS-24 46.0-48.0 | 24/10 | 0.0 | 8-27-24 | | | | | | | Same as above |
| 47 | -47 | | | | | | | | | | | |
| 48 | -48 | SS-25 48.0-50.0 | 24/14 | 0.0 | 9-28-21 | | | | | | | Same as above |
| 49 | -49 | | | | | | | | | | | |
| 50 | -50 | SS-26 50.0-52.0 | 24/10 | 0.0 | 8-20-16 | | | | | | | Same as above |
| 51 | -51 | | | | | | | | | | | |
| 52 | -52 | | | | | | | | | | | |

Well: HMW-8D
Elev.:



2" Sch. 40 PVC riser
Grout



South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

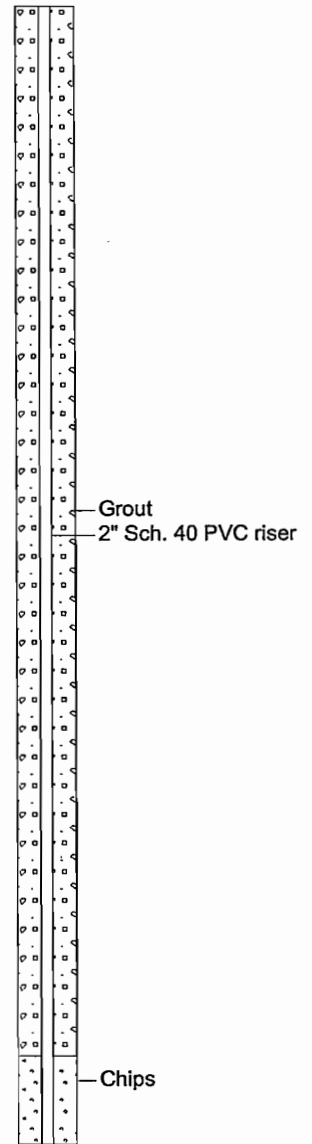
Date Started : 08/09/01
Date Completed : 08/09/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 78.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-8D

(Page 5 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-8D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|-------------|------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 52 | -52 | SS-27 52.0-54.0 | 24/12 | 0.0 | 12-37-23 | | | | | | | | |
| 53 | -53 | | | | | | | | | | | | |
| 54 | -54 | SS-28 54.0-56.0 | 24/12 | 0.0 | 9-35-30 | | | | | | | | |
| 55 | -55 | | | | | | | | | | | | |
| 56 | -56 | SS-29 56.0-58.0 | 24/10 | 0.0 | 11-26-17 | | | | | | | | |
| 57 | -57 | | | | | | | | | | | | |
| 58 | -58 | SS-30 58.0-60.0 | 24/16 | 0.0 | 19-45-27 | | | | | | | | |
| 59 | -59 | | | | | | | | | | | | |
| 60 | -60 | SS-31 60.0-62.0 | 24/18 | 0.0 | 10-50-43 | | | | | | | | |
| 61 | -61 | | | | | | | | | | | | |
| 62 | -62 | SS-32 62.0-64.0 | 23/12 | 0.0 | 14-60-50 | | | | | | | | |
| 63 | -63 | | | | | | | | | | | | |
| 64 | -64 | SS-33 64.0-66.0 | 24/20 | 0.0 | 16-51-35 | | | | | | | | |
| 65 | | | | | | | | | | | | | |

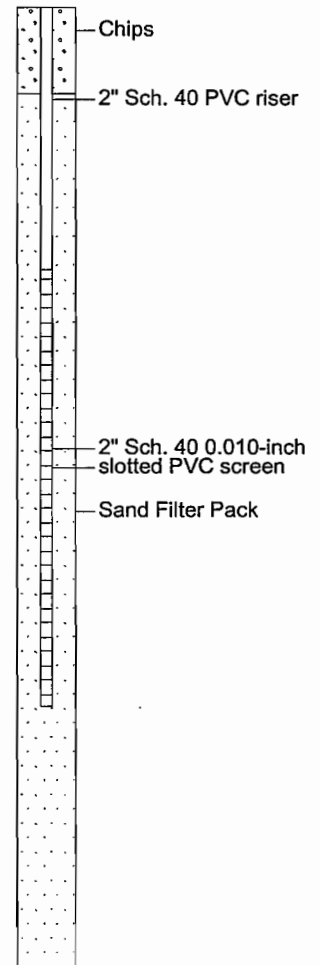


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11-30-2001

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 65 | -65 | | | | | | | | | Same as above, few gravel |
| 66 | -66 | SS-34 66.0-68.0 | 24/18 | 0.0 | 14-61-37 | | | | | Brown silty CLAY seam, 1" thick at end of spoon |
| 67 | -67 | | | | | | | | | Brown medium to coarse SAND, trace silt, trace gravel, wet |
| 68 | -68 | SS-35 68.0-70.0 | 23/16 | 0.0 | 23-60-50 | | | | | Same as above, few gravel |
| 69 | -69 | | | | | | | | | Same as above, trace gravel |
| 70 | -70 | SS-36 70.0-72.0 | 15/10 | 0.0 | 34-50 | | | | | Greyish to brown silty SAND 8" of greyish to brown clayey SILT, dry |
| 71 | -71 | | | | | | | | | Brown medium to fine SAND, trace silt, trace gravel, wet |
| 72 | -72 | SS-37 72.0-74.0 | 23/23 | 0.0 | 6-36-50 | | | | | Same as above |
| 73 | -73 | | | | | | | | | Same as above |
| 74 | -74 | SS-38 74.0-76.0 | 17/17 | 0.0 | 37-42-50 | | | | | Grey very fine very silty SAND, wet Same as above |
| 75 | -75 | | | | | | | | | Same as above |
| 76 | -76 | SS-39 76.0-78.0 | 17/17 | 0.0 | 23-41-50 | | | | | Grey very fine sandy SILT, wet |
| 77 | -77 | | | | | | | | | Grey SILT outer bedded with clay |
| 78 | -78 | | | | | | | | | Grey very fine very silty SAND End of boring at 78' |

Well: HMW-8D
Elev.:





South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

Date Started : 09/15/01
Date Completed : 09/15/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : 48" Split Spoon
Total Depth (ft.) : 69.0'
S. Water Level Date :
S. Water Level (ft.) :

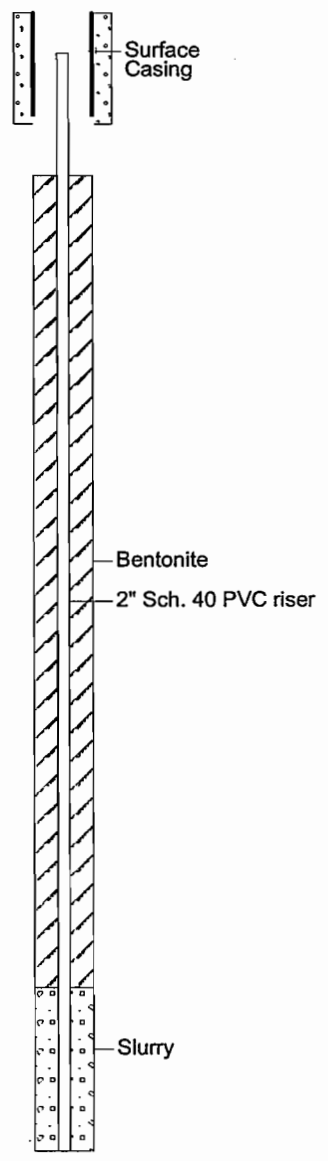
LOG OF BORING HMW-9D

(Page 1 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 0 | 0 | HA-1/ 0.0-2.0 | | 3.3 | | | | | | Dark brown fine to medium SAND, trace gravel, moist |
| 1 | -1 | | | | | | | | | |
| 2 | -2 | HA-2/ 2.0-4.0 | | 2.9 | | | | | | Brown fine to medium SAND, trace gravel, moist |
| 3 | -3 | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/20 | 0.6 | | | | | | Dark brown fine to medium SAND, trace gravel, moist |
| 5 | -5 | | | | | | | | | Brown medium to coarse SAND trace gravel, moist |
| 6 | -6 | SS-4 6.0-8.0 | 24/10 | 0.0 | | | | | | Same as above |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/12 | 0.9 | | | | | | Same as above |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/10 | 0.0 | | | | | | Same as above |
| 11 | -11 | | | | | | | | | |
| 12 | -12 | SS-7 12.0-14.0 | 24/8 | 3.2 | | | | | | Same as above |
| 13 | -13 | | | | | | | | | |
| 14 | -14 | | | | | | | | | |

Well: HMW-9D
Elev.:





South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

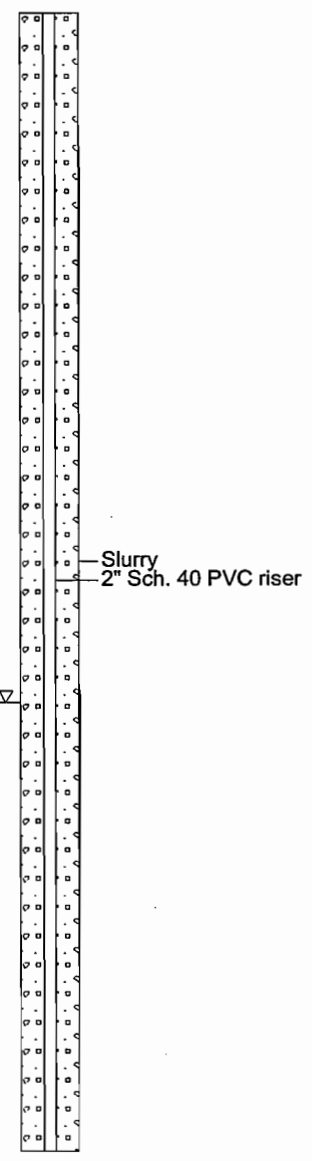
Date Started : 09/15/01
Date Completed : 09/15/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : 48" Split Spoon
Total Depth (ft.) : 69.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-9D

(Page 2 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION | Well: HMW-9D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|--|------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | | |
| 14 | -14 | SS-8 14.0-16.0 | 24/12 | 3.9 | | | | | | Same as above | |
| 15 | -15 | | | | | | | | | | |
| 16 | -16 | SS-9 16.0-18.0 | 24/14 | 2.7 | | | | | | Same as above, less coarse, more fine sand | |
| 17 | -17 | | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/14 | 3.4 | | | | | | Same as above, increase coarse | |
| 19 | -19 | | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/10 | 1.0 | | | | | | Same as above | |
| 21 | -21 | | | | | | | | | | |
| 22 | -22 | SS-12 22.0-24.0 | 24/10 | 2.1 | | | | | | Same as above, wet | |
| 23 | -23 | | | | | | | | | | |
| 24 | -24 | SS-13 24.0-26.0 | 24/15 | 0.5 | 5-13-10 | | | | | Same as above | |
| 25 | -25 | | | | | | | | | | |
| 26 | -26 | SS-14 26.0-28.0 | 24/10 | 2.4 | 6-17-11 | | | | | Same as above | |
| 27 | -27 | | | | | | | | | | |
| 28 | | | | | | | | | | | |





Date Started : 09/15/01
 Date Completed : 09/15/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 ID HSA
 Sampling Method : 48" Split Spoon
 Total Depth (ft.) : 69.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-9D

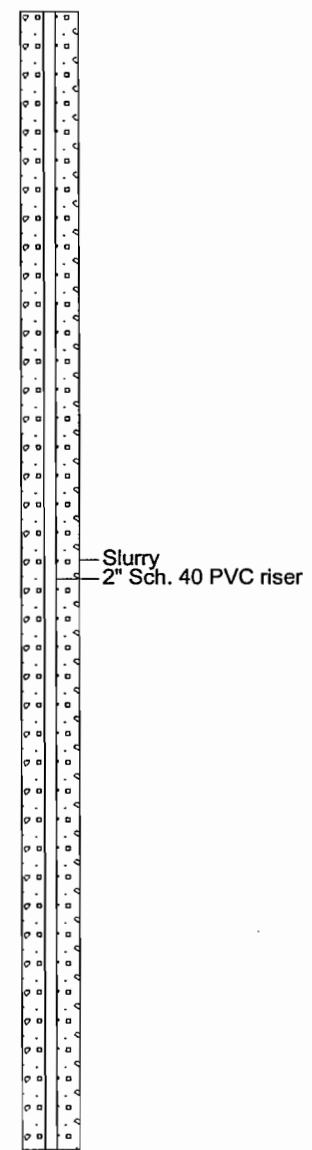
(Page 3 of 5)

South Bend Area A
 UP&V Reservoir
 South Bend, IN

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

SBI002

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 28 | -28 | SS-15 28.0-30.0 | 24/20 | 1.9 | 5-13-8 | | | | | | | Well: HMW-9D Elev.: |
| 29 | -29 | | | | | | | | | | | |
| 30 | -30 | SS-16 30.0-32.0 | 24/12 | 1.5 | 2-6-5 | | | | | | | |
| 31 | -31 | | | | | | | | | | | |
| 32 | -32 | SS-17 32.0-34.0 | 24/24 | 1.0 | 7-16-13 | | | | | | | |
| 33 | -33 | | | | | | | | | | | |
| 34 | -34 | SS-18 34.0-36.0 | 24/15 | 1.6 | 7-17-14 | | | | | | | |
| 35 | -35 | | | | | | | | | | | |
| 36 | -36 | SS-19 36.0-38.0 | 24/15 | 0.2 | 7-19-17 | | | | | | | |
| 37 | -37 | | | | | | | | | | | |
| 38 | -38 | SS-20 38.0-40.0 | 24/12 | 1.6 | 5-16-11 | | | | | | | |
| 39 | -39 | | | | | | | | | | | |
| 40 | -40 | SS-21 40.0-42.0 | 24/12 | 1.8 | 7-18-10 | | | | | | | |
| 41 | -41 | | | | | | | | | | | |
| 42 | -42 | | | | | | | | | | | |



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11-30-2001



South Bend Area A
UP&V Reservoir
South Bend, IN

SBI002

Date Started : 09/15/01
Date Completed : 09/15/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : 48" Split Spoon
Total Depth (ft.) : 69.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-9D

(Page 4 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|---|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 42 | -42 | SS-22 42.0-44.0 | 24/15 | 1.6 | 7-14-10 | | | | | | | Same as above, staining continues |
| 43 | -43 | | | | | | | | | | | |
| 44 | -44 | SS-23 44.0-46.0 | 24/15 | 1.1 | 7-19-14 | | | | | | | Same as above, staining continues |
| 45 | -45 | | | | | | | | | | | |
| 46 | -46 | SS-24 46.0-48.0 | 24/10 | 3.1 | 7-25-21 | | | | | | | Same as above, staining continues |
| 47 | -47 | | | | | | | | | | | |
| 48 | -48 | SS-25 48.0-50.0 | 24/10 | 2.2 | 7-17-14 | | | | | | | Same as above, more gravel in bottom 5" of spoon, less staining |
| 49 | -49 | | | | | | | | | | | |
| 50 | -50 | SS-26 50.0-52.0 | 24/10 | 2.0 | 10-26-17 | | | | | | | Same as above, less gravel, slight staining |
| 51 | -51 | | | | | | | | | | | |
| 52 | -52 | SS-27 52.0-54.0 | 24/10 | 4.2 | 8-24-26 | | | | | | | Same as above, more gravel in bottom 6" of spoon, slight staining |
| 53 | -53 | | | | | | | | | | | |
| 54 | -54 | SS-28 54.0-56.0 | 24/8 | 2.1 | 8-17-8 | | | | | | | Same as above, less gravel, slight staining |
| 55 | -55 | | | | | | | | | | | |
| 56 | -56 | | | | | | | | | | | |



Slurry
2" Sch. 40 PVC riser

F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-9D.BOR

11-30-2001

Date Started : 09/15/01
 Date Completed : 09/15/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 ID HSA
 Sampling Method : 48" Split Spoon
 Total Depth (ft.) : 69.0'
 S. Water Level Date :
 S. Water Level (ft.) :

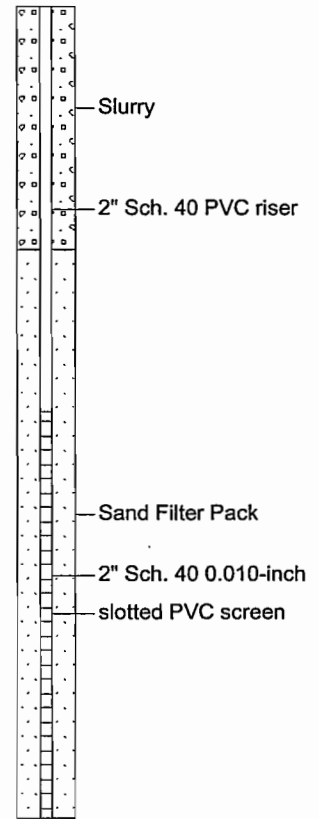
LOG OF BORING HMW-9D

(Page 5 of 5)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 56 | -56 | SS-29 56.0-58.0 | 24/3 | 2.2 | 17-24-50 | | | | | Same as above, slight staining |
| 57 | -57 | | | | | | | | | |
| 58 | -58 | SS-30 58.0-60.0 | 24/10 | 1.0 | 21-64-50 | | | | | Same as above, more gravel in bottom 7" of spoon, slight staining |
| 59 | -59 | | | | | | | | | |
| 60 | -60 | SS-31 60.0-62.0 | 24/10 | 1.5 | 5-12-9 | | | | | Same as above, slight staining |
| 61 | -61 | | | | | | | | | |
| 62 | -62 | SS-32 62.0-64.0 | 24/8 | 1.3 | 10-28-36 | | | | | Same as above, slight odor, no obvious staining |
| 63 | -63 | | | | | | | | | |
| 64 | -64 | SS-33 64.0-66.0 | 24/15 | 1.7 | 5-12-40 | | | | | Same as above |
| 65 | -65 | | | | | | | | | |
| 66 | -66 | SS-34 66.0-68.0 | 14/12 | 1.7 | 44-34-52 | | | | | Tight grey sandy SILT, trace gravel, moist |
| 67 | -67 | | | | | | | | | |
| 68 | -68 | | 12/6 | 0.2 | 34-50 | | | | | Same as above |
| 69 | -69 | | | | | | | | | End of boring at 69.0' |
| 70 | | | | | | | | | | |

Well: HMW-9D
Elev.:





Date Started : 08/22/01
 Date Completed : 08/22/01
 Logged by : Matt Young
 Reviewed by : James P. Hogan
 Drilling Contractor : Topflite
 Drilling Method : 4.25 ID HSA
 Sampling Method : 48" Split Spoon
 Total Depth (ft.) : 74.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-11D

(Page 1 of 5)

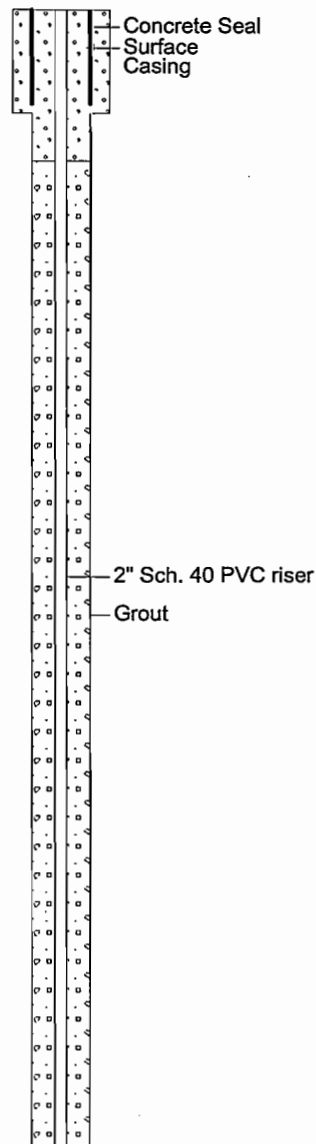
Phase II Drilling
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | Concrete and rebar |
| 1 | -1 | | | | | | | | | |
| 2 | -2 | HA-1/ 2.0-4.0 | | | | | | | | FILL - Brown clayey sand, trace gravel / crushed limestone / crushed concrete, piece of cloth noted |
| 3 | -3 | | | | | | | | | |
| 4 | -4 | SS-2 4.0-6.0 | 14/6 | | 4-6-50 | | | | | Same as above, refusal on concrete fragment at 5.1', augered to 10' Boring located on abandoned and filled truck dock |
| 5 | -5 | | | | | | | | | |
| 6 | -6 | | | | | | | | | |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | | | | | | | | | |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | SS-3 10.0-12.0 | 24/18 | 11.1 | 6-10-7 | | | | | Brown medium to fine SAND, trace silt, trace gravel, moist |
| 11 | -11 | | | | | | | | | |
| 12 | -12 | SS-4 12.0-14.0 | 24/16 | 14.8 | 4-12-8 | | | | | Same as above, less silt with depth |
| 13 | -13 | | | | | | | | | |
| 14 | -14 | SS-5 14.0-16.0 | 24/22 | 17.8 | 4-10-10 | | | | | Same as above |
| 15 | | | | | | | | | | |

Well: HMW-11D
 Elev.:





Phase II Drilling
Franklin & Sample
South Bend, IN

SBI002

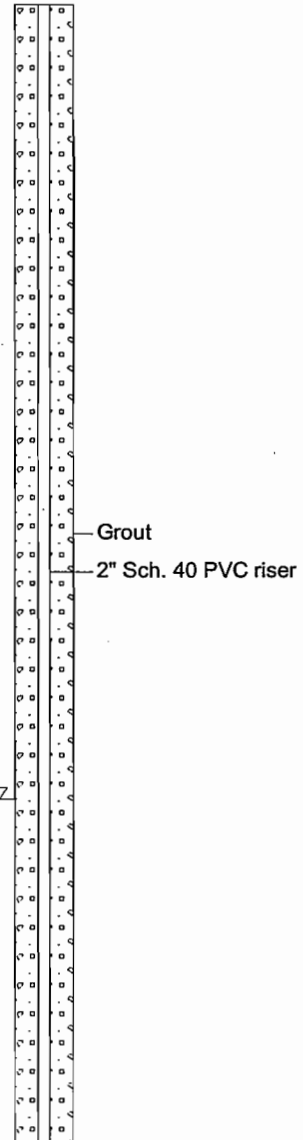
Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : Matt Young
Reviewed by : James P. Hogan
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : 48" Split Spoon
Total Depth (ft.) : 74.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-11D

(Page 2 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION | Well: HMW-11D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|--|--|-------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input type="checkbox"/> During Drilling | | |
| 15 | -15 | | | | | | | | | | |
| 16 | -16 | SS-6 16.0-18.0 | 24/22 | 16.0 | 6-17-12 | | | | | Same as above | |
| 17 | -17 | | | | | | | | | | |
| 18 | -18 | SS-7 18.0-20.0 | 24/22 | 16.8 | 5-9-6 | | | | | Same as above, less fines, increase coarse sand | |
| 19 | -19 | | | | | | | | | | |
| 20 | -20 | SS-8 20.0-22.0 | 24/20 | 16.9 | 6-16-12 | | | | | Same as above, increase gravel | |
| 21 | -21 | | | | | | | | | | |
| 22 | -22 | SS-9 22.0-24.0 | 24/20 | 19.2 | 6-19-12 | | | | | Same as above, less gravel | |
| 23 | -23 | | | | | | | | | | |
| 24 | -24 | SS-10 24.0-26.0 | 24/20 | 11.0 | 4-10-11 | | | | | Light brown medium to fine sand, trace silt trace gravel | |
| 25 | -25 | | | | | | | | | Same as above, less fines, wet | |
| 26 | -26 | SS-11 26.0-28.0 | 24/24 | 44.6 | 2-7-7 | | | | | Grey medium to fine SAND, trace silt, strong odor (petro bitter) noted, few black stains noted | |
| 27 | -27 | | | | | | | | | | |
| 28 | -28 | SS-12 28.0-30.0 | 24/24 | 94.2 | 3-19-21 | | | | | Same as above, strong odor noted | |
| 29 | -29 | | | | | | | | | | |
| 30 | -30 | | | | | | | | | | |





Date Started : 08/22/01
 Date Completed : 08/22/01
 Logged by : Matt Young
 Reviewed by : James P. Hogan
 Drilling Contractor : Topflite
 Drilling Method : 4.25 ID HSA
 Sampling Method : 48" Split Spoon
 Total Depth (ft.) : 74.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-11D

(Page 3 of 5)

Phase II Drilling
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION | Well: HMW-11D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|-------------------------------|--|-------------------------------|
| | | | | | | | | ☒ Sampled Int. | ▼ Static ▽ During Drilling | | |
| 30 | -30 | SS-13 30.0-32.0 | 24/16 | 89.4 | 2-12-15 | | | | | Same as above, trace gravel, sample wax have washed out, increase fine sand, strong odor noted | |
| 31 | -31 | | | | | | | | | | |
| 32 | -32 | SS-14 32.0-34.0 | 24/18 | 81.8 | 6-29-24 | | | | | Same as above, strong odor noted | |
| 33 | -33 | | | | | | | | | | |
| 34 | -34 | SS-15 34.0-36.0 | 24/18 | 120 | 3-11-15 | | | | | Same as above, strong odor noted, increase gravel with depth, less fines, brown oily staining noted (free phase) | |
| 35 | -35 | | | | | | | | | | |
| 36 | -36 | SS-16 36.0-38.0 | 24/24 | 121 | 5-30-24 | | | | | Same as above, strong odor noted, brown oily staining noted | |
| 37 | -37 | | | | | | | | | Brown medium to coarse SAND, trace silt, trace gravel, strong odor (petro bitter) | Grout 2" Sch. 40 PVC riser |
| 38 | -38 | SS-17 38.0-40.0 | 24/18 | 70.7 | 4-16-20 | | | | | Same as above | |
| 39 | -39 | | | | | | | | | | |
| 40 | -40 | SS-18 40.0-42.0 | 24/22 | 15.4 | 6-36-30 | | | | | Same as above, slight odor | |
| 41 | -41 | | | | | | | | | | |
| 42 | -42 | SS-19 42.0-44.0 | 24/16 | 17.5 | 7-25-23 | | | | | Same as above, slight odor | |
| 43 | -43 | | | | | | | | | | |
| 44 | -44 | SS-20 44.0-46.0 | 24/12 | 18.1 | 4-33-27 | | | | | Same as above, slight odor, black stain noted | |
| 45 | -45 | | | | | | | | | | |



Phase II Drilling
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : Matt Young
Reviewed by : James P. Hogan
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : 48" Split Spoon
Total Depth (ft.) : 74.0'
S. Water Level Date :
S. Water Level (ft.) :

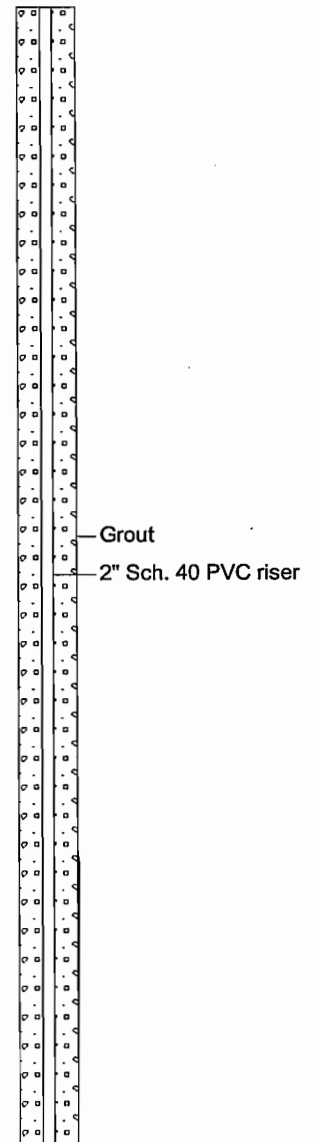
LOG OF BORING HMW-11D

(Page 4 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 45 | -45 | | | | | | | | | |
| 46 | -46 | SS-21 46.0-48.0 | 24/12 | 15.8 | 14-54-33 | | | | | Same as above, slight odor |
| 47 | -47 | | | | | | | | | |
| 48 | -48 | SS-22 48.0-50.0 | 24/12 | 11.4 | 8-44-33 | | | | | Same as above, increase silt, increase gravel, slight odor may be from pulling spoons through bad water |
| 49 | -49 | | | | | | | | | |
| 50 | -50 | SS-23 50.0-52.0 | 24/12 | 15.4 | 12-79-37 | | | | | Same as above |
| 51 | -51 | | | | | | | | | |
| 52 | -52 | SS-24 52.0-54.0 | 21/14 | 16.3 | 8-61-50 | | | | | Same as above |
| 53 | -53 | | | | | | | | | |
| 54 | -54 | SS-25 54.0-56.0 | 24/16 | 15.9 | 9-46-33 | | | | | Same as above |
| 55 | -55 | | | | | | | | | |
| 56 | -56 | SS-26 56.0-58.0 | 24/12 | 15.3 | 6-25-50 | | | | | Same as above, less coarse sand, less gravel |
| 57 | -57 | | | | | | | | | |
| 58 | -58 | SS-27 58.0-60.0 | 24/8 | 7.8 | 20-70-35 | | | | | Brown fine to medium SAND, trace gravel trace clay |
| 59 | -59 | | | | | | | | | Large cobble in spoon |
| 60 | | | | | | | | | | |

Well: HMW-11D
Elev.:





Phase II Drilling
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : Matt Young
Reviewed by : James P. Hogan
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : 48" Split Spoon
Total Depth (ft.) : 74.0'
S. Water Level Date :
S. Water Level (ft.) :

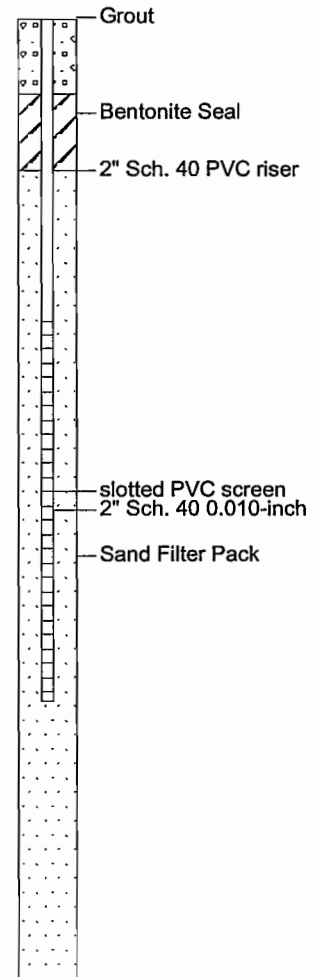
LOG OF BORING HMW-11D

(Page 5 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|---|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 60 | -60 | SS-28 60.0-62.0 | 24/12 | 0.0 | 16-60-28 | | | | | | | Same as above |
| 61 | -61 | | | | | | | | | | | |
| 62 | -62 | SS-29 62.0-64.0 | 24/14 | 0.0 | 16-73-50 | | | | | | | Same as above, less clay, few gravel |
| 63 | -63 | | | | | | | | | | | |
| 64 | -64 | SS-30 64.0-66.0 | 24/6 | 0.0 | 24-45-50 | | | | | | | Same as above, large cobble in spoon |
| 65 | -65 | | | | | | | | | | | |
| 66 | -66 | SS-31 66.0-68.0 | 24/14 | 0.0 | 25-60-50 | | | | | | | Same as above, no clay, trace silt |
| 67 | -67 | | | | | | | | | | | |
| 68 | -68 | SS-32 68.0-70.0 | 24/18 | 0.0 | 18-58-38 | | | | | | | Same as above, 2" very fine sand, trace silt seem at top of spoon |
| 69 | -69 | | | | | | | | | | | |
| 70 | -70 | SS-33 70.0-72.0 | 24/16 | | | | | | | | | Same as above |
| 71 | -71 | | | | | | | | | | | |
| 72 | -72 | SS-34 72.0-74.0 | | | | | | | | | | Brown very fine silty SAND |
| 73 | -73 | | | | | | | | | | | |
| 74 | -74 | | | | | | | | | | | |
| 75 | | | | | | | | | | | | |

Well: HMW-11D
Elev.:



Date Started : 08/22/01
 Date Completed : 08/22/01
 Logged by : Matt Young
 Reviewed by : James P. Hogan
 Drilling Contractor : Topflite
 Drilling Method : Canterra CT250
 Sampling Method : Hand Auger/Split Spoon
 Total Depth (ft.) : 74.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-11DA

(Page 1 of 5)

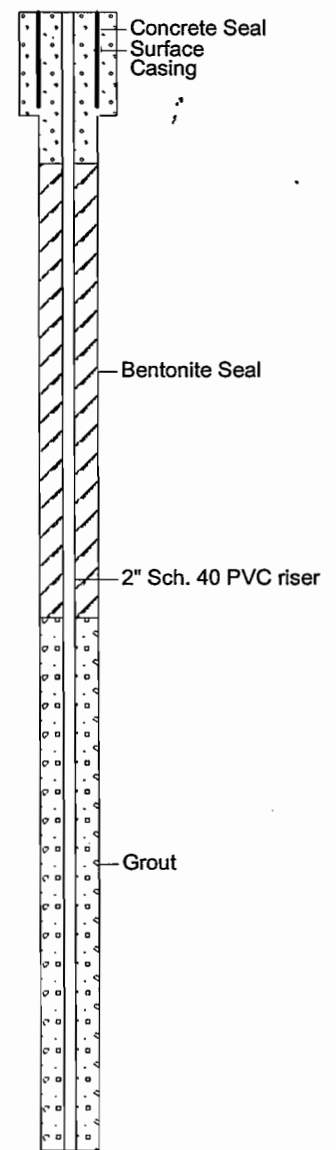
Phase II Drilling
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | Concrete |
| 1 | -1 | | | | | | | | | FILL - Brown clayey sand, trace gravel / crushed limestone / crushed concrete, piece of cloth noted |
| 2 | -2 | HA-1/ 2.0-4.0 | | | | | | | | |
| 3 | -3 | | | | | | | | | |
| 4 | -4 | SS-2 4.0-6.0 | 14/6 | | 4-6-50 | | | | | Same as above, refusal on concrete fragment at 5.1', augered to 10' Boring located on abandoned and filled truck dock |
| 5 | -5 | | | | | | | | | |
| 6 | -6 | | | | | | | | | |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | | | | | | | | | |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | SS-3 10.0-12.0 | 24/18 | 11.1 | 6-10-7 | | | | | Brown medium to fine SAND, trace silt, trace gravel, moist |
| 11 | -11 | | | | | | | | | |
| 12 | -12 | SS-4 12.0-14.0 | 24/16 | 14.8 | 4-12-8 | | | | | Same as above, less silt with depth |
| 13 | -13 | | | | | | | | | |
| 14 | -14 | SS-5 14.0-16.0 | 24/22 | 17.8 | 4-10-10 | | | | | Same as above |
| 15 | -15 | | | | | | | | | |

Well: HMW-11DA
 Elev.:





Phase II Drilling
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : Matt Young
Reviewed by : James P. Hogan
Drilling Contractor : Topflite
Drilling Method : Canterra CT250
Sampling Method : Hand Auger/Split Spoon
Total Depth (ft.) : 74.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-11DA

(Page 2 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION | Well: HMW-11DA Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|--|--------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | | |
| 15 | -15 | | | | | | | | | | |
| 16 | -16 | SS-6 16.0-18.0 | 24/22 | 16.0 | 6-17-12 | | | | | Same as above | |
| 17 | -17 | | | | | | | | | | |
| 18 | -18 | SS-7 18.0-20.0 | 24/22 | 16.8 | 5-9-6 | | | | | Same as above, less fines, increase coarse sand | |
| 19 | -19 | | | | | | | | | | |
| 20 | -20 | SS-8 20.0-22.0 | 24/20 | 16.9 | 6-16-12 | | | | | Same as above, increase gravel | |
| 21 | -21 | | | | | | | | | | |
| 22 | -22 | SS-9 22.0-24.0 | 24/20 | 19.2 | 6-19-12 | | | | | Same as above, less gravel | |
| 23 | -23 | | | | | | | | | | |
| 24 | -24 | SS-10 24.0-26.0 | 24/20 | 11.0 | 4-10-11 | | | | | Light brown medium to fine sand, trace silt trace gravel | |
| 25 | -25 | | | | | | | | | Same as above, less fines, wet | |
| 26 | -26 | SS-11 26.0-28.0 | 24/24 | 44.6 | 2-7-7 | | | | | Grey medium to fine SAND, trace silt, strong odor (petro bitter) noted, few black stains noted | |
| 27 | -27 | | | | | | | | | | |
| 28 | -28 | SS-12 28.0-30.0 | 24/24 | 94.2 | 3-19-21 | | | | | Same as above, strong odor noted | |
| 29 | -29 | | | | | | | | | | |
| 30 | -30 | | | | | | | | | | |

Grout
2" Sch. 40 PVC riser



Phase II Drilling
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : Matt Young
Reviewed by : James P. Hogan
Drilling Contractor : Topflite
Drilling Method : Canterra CT250
Sampling Method : Hand Auger/Split Spoon
Total Depth (ft.) : 74.0'
S. Water Level Date :
S. Water Level (ft.) :

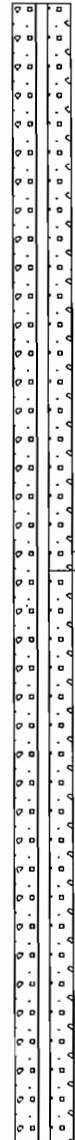
LOG OF BORING HMW-11DA

(Page 3 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|--|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 30 | -30 | SS-13 30.0-32.0 | 24/16 | 89.4 | 2-12-15 | | | | | Same as above, trace gravel, sample wax have washed out, increase fine sand, strong odor noted |
| 31 | -31 | | | | | | | | | |
| 32 | -32 | SS-14 32.0-34.0 | 24/18 | 81.8 | 6-29-24 | | | | | Same as above, strong odor noted |
| 33 | -33 | | | | | | | | | |
| 34 | -34 | SS-15 34.0-36.0 | 24/18 | 120 | 3-11-15 | | | | | Same as above, strong odor noted, increase gravel with depth, less fines, brown oily staining noted (free phase) |
| 35 | -35 | | | | | | | | | |
| 36 | -36 | SS-16 36.0-38.0 | 24/24 | 121 | 5-30-24 | | | | | Same as above, strong odor noted, brown oily staining noted |
| 37 | -37 | | | | | | | | | Brown medium to coarse SAND, trace silt, trace gravel, strong odor (petro bitter) |
| 38 | -38 | SS-17 38.0-40.0 | 24/18 | 70.7 | 4-16-20 | | | | | Same as above |
| 39 | -39 | | | | | | | | | |
| 40 | -40 | SS-18 40.0-42.0 | 24/22 | 15.4 | 6-36-30 | | | | | Same as above, slight odor |
| 41 | -41 | | | | | | | | | |
| 42 | -42 | SS-19 42.0-44.0 | 24/16 | 17.5 | 7-25-23 | | | | | Same as above, slight odor |
| 43 | -43 | | | | | | | | | |
| 44 | -44 | SS-20 44.0-46.0 | 24/12 | 18.1 | 4-33-27 | | | | | Same as above, slight odor, black stain noted |
| 45 | | | | | | | | | | |

Well: HMW-11DA
Elev.:



Grout
2" Sch. 40 PVC riser



Phase II Drilling
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : Matt Young
Reviewed by : James P. Hogan
Drilling Contractor : Topflite
Drilling Method : Canterra CT250
Sampling Method : Hand Auger/Split Spoon
Total Depth (ft.) : 74.0'
S. Water Level Date :
S. Water Level (ft.) :

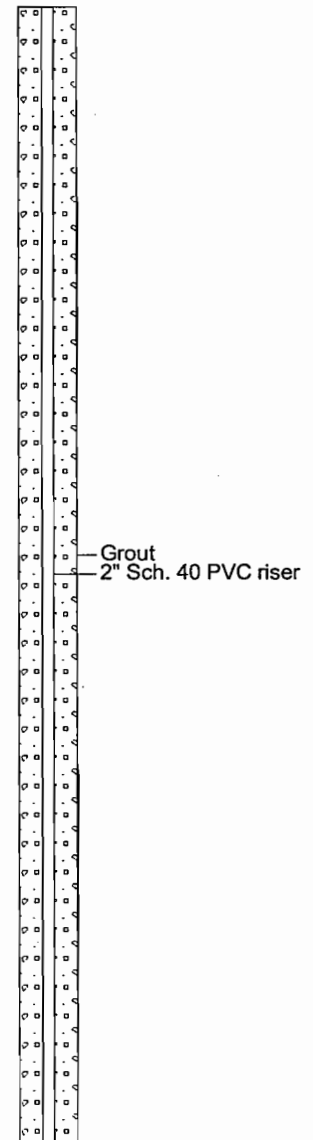
LOG OF BORING HMW-11DA

(Page 4 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|---|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 45 | -45 | | | | | | | | | | | |
| 46 | -46 | SS-21 46.0-48.0 | 24/12 | 15.8 | 14-54-33 | | | | | | | Same as above, slight odor |
| 47 | -47 | | | | | | | | | | | |
| 48 | -48 | SS-22 48.0-50.0 | 24/12 | 11.4 | 8-44-33 | | | | | | | Same as above, increase silt, increase gravel, slight odor may be from pulling spoons through bad water |
| 49 | -49 | | | | | | | | | | | |
| 50 | -50 | SS-23 50.0-52.0 | 24/12 | 15.4 | 12-79-37 | | | | | | | Same as above |
| 51 | -51 | | | | | | | | | | | |
| 52 | -52 | SS-24 52.0-54.0 | 21/14 | 16.3 | 8-61-50 | | | | | | | Same as above |
| 53 | -53 | | | | | | | | | | | |
| 54 | -54 | SS-25 54.0-56.0 | 24/16 | 15.9 | 9-46-33 | | | | | | | Same as above |
| 55 | -55 | | | | | | | | | | | |
| 56 | -56 | SS-26 56.0-58.0 | 24/12 | 15.3 | 6-25-50 | | | | | | | Same as above, less coarse sand, less gravel |
| 57 | -57 | | | | | | | | | | | |
| 58 | -58 | SS-27 58.0-60.0 | 24/8 | 7.8 | 20-70-35 | | | | | | | Brown fine to medium SAND, trace gravel trace clay |
| 59 | -59 | | | | | | | | | | | Large cobble in spoon |
| 60 | | | | | | | | | | | | |

Well: HMW-11DA
Elev.:



F:\CLIENTS\BIS\BIS002\SOIL BORING LOGS\HMW-11DA.BOR

11-30-2001



Date Started : 08/22/01
 Date Completed : 08/22/01
 Logged by : Matt Young
 Reviewed by : James P. Hogan
 Drilling Contractor : Topflite
 Drilling Method : Canterra CT250
 Sampling Method : Hand Auger/Split Spoon
 Total Depth (ft.) : 74.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-11DA

(Page 5 of 5)

Phase II Drilling
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|----------------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 60 | -60 | SS-28 60.0-62.0 | 24/12 | 0.0 | 16-60-28 | | | | | | | <p>Well: HMW-11DA Elev.:</p> |
| 61 | -61 | | | | | | | | | | | |
| 62 | -62 | SS-29 62.0-64.0 | 24/14 | 0.0 | 16-73-50 | | | | | | | |
| 63 | -63 | | | | | | | | | | | |
| 64 | -64 | SS-30 64.0-66.0 | 24/6 | 0.0 | 24-45-50 | | | | | | | |
| 65 | -65 | | | | | | | | | | | |
| 66 | -66 | SS-31 66.0-68.0 | 24/14 | 0.0 | 25-60-50 | | | | | | | |
| 67 | -67 | | | | | | | | | | | |
| 68 | -68 | SS-32 68.0-70.0 | 24/18 | 0.0 | 18-58-38 | | | | | | | |
| 69 | -69 | | | | | | | | | | | |
| 70 | -70 | SS-33 70.0-72.0 | 24/16 | | | | | | | | | |
| 71 | -71 | | | | | | | | | | | |
| 72 | -72 | SS-34 72.0-74.0 | | | | | | | | | | |
| 73 | -73 | | | | | | | | | | | |
| 74 | -74 | | | | | | | | | | | |
| 75 | -75 | | | | | | | | | | | |

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11-30-2001



Phase II Drilling
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : Matt Young
Reviewed by : James P. Hogan
Drilling Contractor : Topflite
Drilling Method : Canterra CT250,4 1/4"HSA
Sampling Method : Hand Auger/Spit Spoon
Total Depth (ft.) : 40.0'
S. Water Level Date :
S. Water Level (ft.) :

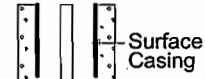
LOG OF BORING HMW-111

(Page 1 of 2)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 0 | 0 | | | | | | | | | | | 15" Concrete |
| 1 | -1 | | | | | | | | | | | FILL - Brown clayey sand, trace gravel / crushed limestone / crushed concrete, piece of cloth noted |
| 2 | -2 | HA-1/ 2.0-4.0 | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | |
| 4 | -4 | SS-2 4.0-6.0 | 14/6 | | 4-6-50 | | | | | | | Same as above, refusal on concrete fragment at 5.1', augered to 10' Boring located on abandoned and filled truck dock |
| 5 | -5 | | | | | | | | | | | |
| 6 | -6 | | | | | | | | | | | |
| 7 | -7 | | | | | | | | | | | |
| 8 | -8 | | | | | | | | | | | |
| 9 | -9 | | | | | | | | | | | |
| 10 | -10 | SS-3 10.0-12.0 | 24/18 | 11.1 | 6-10-7 | | | | | | | Brown medium to fine SAND, trace silt, trace gravel, moist |
| 11 | -11 | | | | | | | | | | | |
| 12 | -12 | SS-4 12.0-14.0 | 24/16 | 14.8 | 4-12-8 | | | | | | | Same as above, less silt with depth |
| 13 | -13 | | | | | | | | | | | |
| 14 | -14 | SS-5 14.0-16.0 | 24/22 | 17.8 | 4-10-10 | | | | | | | Same as above |
| 15 | -15 | | | | | | | | | | | |
| 16 | -16 | SS-6 16.0-18.0 | 24/22 | 16.0 | 6-17-12 | | | | | | | Same as above |
| 17 | -17 | | | | | | | | | | | |
| 18 | -18 | SS-7 18.0-20.0 | 24/22 | 16.8 | 5-9-6 | | | | | | | Same as above, less fines, increase coarse sand |
| 19 | -19 | | | | | | | | | | | |
| 20 | -20 | | | | | | | | | | | |

Well: HMW-111
Elev.:



2" Sch. 40 PVC riser

11-30-2001 F:\CLIENTS\BIB\BIB002\SOIL BORING LOGS\HMW-111.BOR

Date Started : 08/22/01
 Date Completed : 08/22/01
 Logged by : Matt Young
 Reviewed by : James P. Hogan
 Drilling Contractor : Topflite
 Drilling Method : Canterra CT250,4 1/4"HSA
 Sampling Method : Hand Auger/Split Spoon
 Total Depth (ft.) : 40.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-111

(Page 2 of 2)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|---|---------------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▽ Static | ▽ During Drilling | |
| 20 | -20 | SS-8 20.0-22.0 | 24/20 | 16.9 | 6-16-12 | | | | | | | <p>Well: HMW-111 Elev.:</p> |
| 21 | -21 | | | | | | | | | | Same as above, increase gravel | |
| 22 | -22 | SS-9 22.0-24.0 | 24/20 | 19.2 | 6-19-12 | | | | | | Same as above, less gravel | |
| 23 | -23 | | | | | | | | | | | |
| 24 | -24 | SS-10 24.0-26.0 | 24/20 | 11.0 | 4-10-11 | | | | | | Light brown medium to fine sand, trace silt trace gravel | |
| 25 | -25 | | | | | | | | | | Same as above, less fines, wet | |
| 26 | -26 | SS-11 26.0-28.0 | 24/24 | 44.6 | 2-7-7 | | | | | | Grey medium to fine SAND, trace silt, strong odor (petro bitter) noted, few black stains noted | |
| 27 | -27 | | | | | | | | | | | |
| 28 | -28 | SS-12 28.0-30.0 | 24/24 | 94.2 | 3-19-21 | | | | | | Same as above, strong odor noted | |
| 29 | -29 | | | | | | | | | | Auger 28' to 33' - photos 13 to 7 free Product encountered | |
| 30 | -30 | SS-13 30.0-32.0 | 24/16 | 89.4 | 2-12-15 | | | | | | Same as above, trace gravel, sample wax have washed out, increase fine sand, strong odor noted | |
| 31 | -31 | | | | | | | | | | | |
| 32 | -32 | SS-14 32.0-34.0 | 24/18 | 81.8 | 6-29-24 | | | | | | Same as above, strong odor noted | |
| 33 | -33 | | | | | | | | | | | |
| 34 | -34 | SS-15 34.0-36.0 | 24/18 | 120 | 3-11-15 | | | | | | Same as above, strong odor noted, increase gravel with depth, less fines, brown oily staining noted (free phase) | |
| 35 | -35 | | | | | | | | | | | |
| 36 | -36 | SS-16 36.0-38.0 | 24/24 | 121 | 5-30-24 | | | | | | Same as above, strong odor noted, brown oily staining noted | |
| 37 | -37 | | | | | | | | | | Brown medium to coarse SAND, trace silt, trace gravel, strong odor (petro bitter) | |
| 38 | -38 | SS-17 38.0-40.0 | 24/18 | 70.7 | 4-16-20 | | | | | | Same as above | |
| 39 | -39 | | | | | | | | | | | |
| 40 | -40 | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

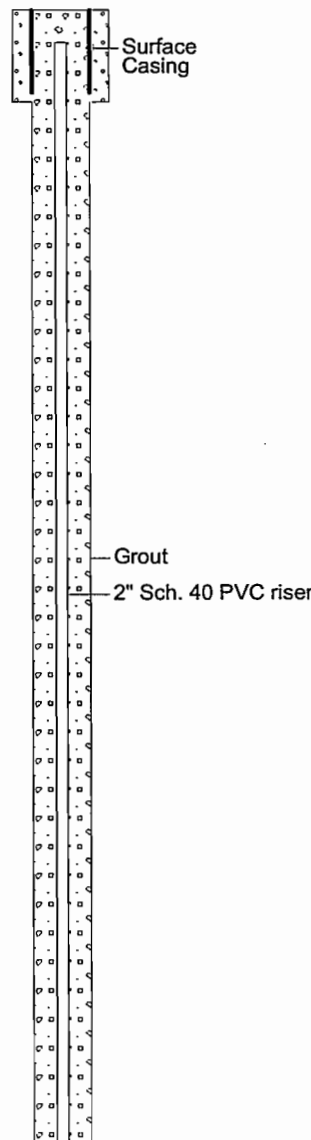
Date Started : 08/13/01
Date Completed : 08/13/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 68.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-12D

(Page 1 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|---|--|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | HA-1/ 0.0-2.0 | | | | | | <input checked="" type="checkbox"/> | | Concrete and rebar |
| 1 | -1 | | | | | | | | | |
| 2 | -2 | HA-2/ 2.0-4.0 | | 0.0 | | | | | | Brown medium to coarse SAND, trace silt, trace gravel; small amount of black staining, moist |
| 3 | -3 | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/12 | 2.5 | 4-3-2 | | | | | Same as above, less staining |
| 5 | -5 | | | | | | | | | |
| 6 | -6 | SS-4 6.0-8.0 | 24/22 | 7.8 | 3-3-1 | | | | | Same as above |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/14 | 4.7 | 3-6-3 | | | | | Light brown medium to coarse SAND, trace gravel, trace silt, moist |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/8 | 10.1 | 9-9-5 | | | | | Brown medium to coarse SAND, trace silt, trace gravel, moist |
| 11 | -11 | | | | | | | | | |
| 12 | -12 | SS-7 12.0-14.0 | 24/16 | 7.0 | 8-21-14 | | | | | Same as above, less silt |
| 13 | -13 | | | | | | | | | |
| 14 | -14 | SS-8 14.0-16.0 | 24/14 | 9.0 | 8-21-15 | | | | | Light brown fine to medium SAND, trace silt, moist |
| 15 | -15 | | | | | | | | | |
| 16 | -16 | SS-9 16.0-18.0 | 24/22 | 7.3 | 8-24-15 | | | | | Same as above |
| 17 | | | | | | | | | | |



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-12D.BOR 11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/13/01
Date Completed : 08/13/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 68.0'
S. Water Level Date :
S. Water Level (ft.) :

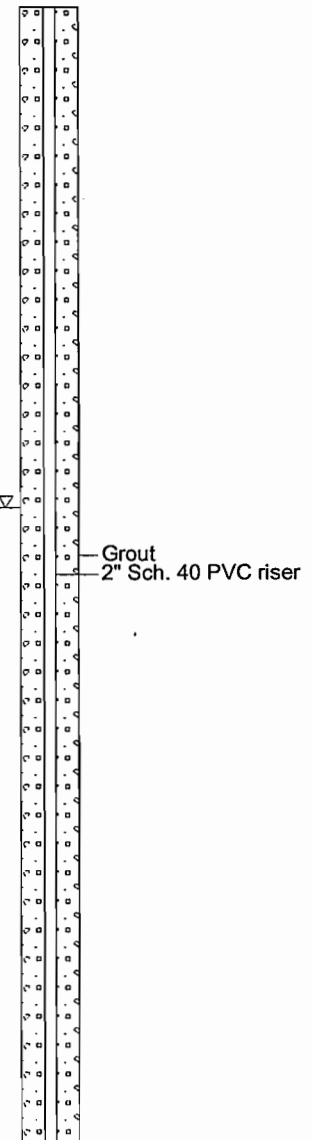
LOG OF BORING HMW-12D

(Page 2 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------------------------|-------------------------------|--|
| | | | | | | | | ☒ Sampled Int. ■ Lab Sample | ▼ Static ▽ During Drilling | |
| 17 | -17 | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/22 | 2.0 | 6-16-10 | | | | | Same as above, gradual black through spoon, less fines more medium to coarse |
| 19 | -19 | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/18 | 0.0 | 6-16-12 | | | | | Same as above, trace gravel |
| 21 | -21 | | | | | | | | | Same as above |
| 22 | -22 | SS-12 22.0-24.0 | 24/24 | 0.0 | 8-23-14 | | | | | Same as above |
| 23 | -23 | | | | | | | | | |
| 24 | -24 | SS-13 24.0-26.0 | 24/18 | 0.0 | 5-25-13 | | | | | Same as above, wet |
| 25 | -25 | | | | | | | | | Brown medium to coarse SAND, few gravel, trace silt, wet |
| 26 | -26 | SS-14 26.0-28.0 | 24/12 | 0.0 | 4-22-13 | | | | | Same as above |
| 27 | -27 | | | | | | | | | |
| 28 | -28 | SS-15 28.0-30.0 | 24/20 | 0.0 | 13-24-17 | | | | | Same as above |
| 29 | -29 | | | | | | | | | Same as above, black stain |
| 30 | -30 | SS-16 30.0-32.0 | 24/20 | 0.0 | 7-33-27 | | | | | Same as above |
| 31 | -31 | | | | | | | | | |
| 32 | -32 | SS-17 32.0-34.0 | 24/20 | 0.0 | 13-30-16 | | | | | Same as above |
| 33 | -33 | | | | | | | | | |
| 34 | -34 | | | | | | | | | |

Well: HMW-12D
Elev.:



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-12D.BOR

11-30-2001



Date Started : 08/13/01
 Date Completed : 08/13/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : Topflite
 Drilling Method : 4.25 ID HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 68.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-12D

(Page 3 of 4)

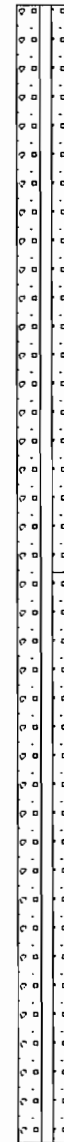
South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|--|-------------------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 34 | -34 | SS-18 34.0-36.0 | 24/16 | 0.9 | 29-22-17 | | | | | Same as above |
| 35 | -35 | | | | | | | | | |
| 36 | -36 | SS-19 36.0-38.0 | 24/12 | 1.6 | 42-28-18 | | | | | Same as above, 2 large cobbles |
| 37 | -37 | | | | | | | | | |
| 38 | -38 | SS-20 38.0-40.0 | 24/18 | 0.0 | 23-29-17 | | | | | Same as above |
| 39 | -39 | | | | | | | | | |
| 40 | -40 | SS-21 40.0-42.0 | 24/12 | 0.0 | 47-34-27 | | | | | Same as above, more silt |
| 41 | -41 | | | | | | | | | |
| 42 | -42 | SS-23 42.0-44.0 | 24/18 | 0.4 | 14-50-29 | | | | | Same as above |
| 43 | -43 | | | | | | | | | |
| 44 | -44 | SS-23 44.0-46.0 | 24/16 | 0.0 | 7-23-14 | | | | | Same as above, 4" at top, no gravel |
| 45 | -45 | | | | | | | | | |
| 46 | -46 | SS-24 46.0-48.0 | 24/18 | 0.0 | 14-49-27 | | | | | Same as above |
| 47 | -47 | | | | | | | | | |
| 48 | -48 | SS-25 48.0-50.0 | 24/16 | 0.0 | 11-55-27 | | | | | Same as above |
| 49 | -49 | | | | | | | | | |
| 50 | -50 | SS-26 50.0-52.0 | 24/18 | 0.0 | 15-45-44 | | | | | Same as above, trace gravel |
| 51 | | | | | | | | | | |

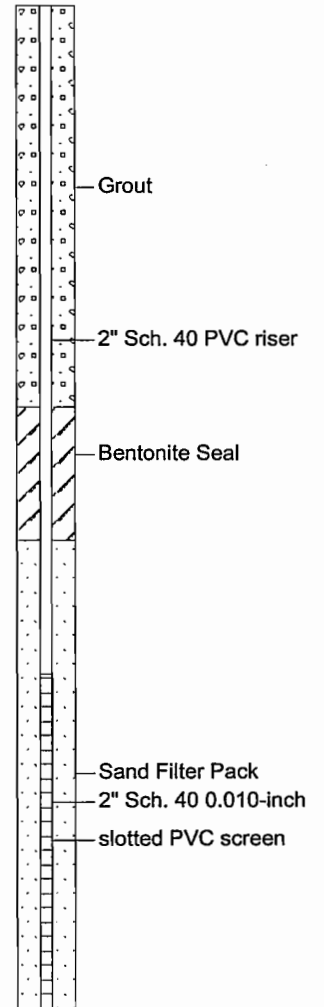
Well: HMW-12D
 Elev.:



Grout
 2" Sch. 40 PVC riser

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| 51 | -51 | | | | | | | | | | | |
| 52 | -52 | SS-27 52.0-54.0 | 23/16 | 0.0 | 13-67-50 | | | | | | | Same as above, less gravel |
| 53 | -53 | | | | | | | | | | | |
| 54 | -54 | SS-28 54.0-56.0 | 16/12 | 0.0 | 37-50-50 | | | | | | | Same as above, black banding |
| 55 | -55 | | | | | | | | | | | |
| 56 | -56 | SS-29 56.0-58.0 | 24/14 | 0.0 | 17-49-33 | | | | | | | Same as above, black banding |
| 57 | -57 | | | | | | | | | | | |
| 58 | -58 | SS-30 58.0-60.0 | 23 | 0.0 | 11-72-50 | | | | | | | Same as above |
| 59 | -59 | | | | | | | | | | | |
| 60 | -60 | SS-31 60.0-62.0 | 24/18 | 0.0 | 10-51-42 | | | | | | | Same as above, less gravel |
| 61 | -61 | | | | | | | | | | | |
| 62 | -62 | SS-32 62.0-64.0 | 24/4 | 0.0 | 10-50-50 | | | | | | | Same as above, no gravel, sample most likely washed out |
| 63 | -63 | | | | | | | | | | | |
| 64 | -64 | SS-33 64.0-66.0 | 23/20 | 3.4 | 8-54-50 | | | | | | | Same as above, trace gravel |
| 65 | -65 | | | | | | | | | | | Same as above, black staining |
| 66 | -66 | SS-34 66.0-68.0 | 24/22 | 0.0 | 10-62-50 | | | | | | | Brown SILT, trace gravel |
| 67 | -67 | | | | | | | | | | | Grey SILT, trace fine to medium sand, trace gravel |
| 68 | -68 | | | | | | | | | | | End of boring at 68.0' |

Well: HMW-12D
Elev.:



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 ID HSA
Sampling Method : 2' Split Spoon
Total Depth (ft.) : 31.5
S. Water Level Date :
S. Water Level (ft.) :

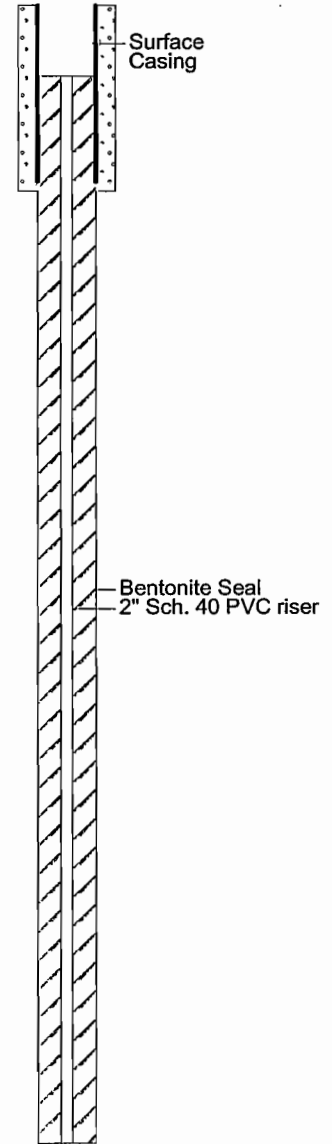
LOG OF BORING HMW-14S

(Page 1 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | Asphalt / concrete |
| 1 | -1 | HA-1/ 1.0-1.5 | | 0.8 | | | | | | Brown fine SAND, some gravel, moist |
| | | HA-2/ 1.5-2.0 | | 3.0 | | | | | | Black silty SAND, some gravel, organics, moist |
| 2 | -2 | HA-3/ 2.0-2.7 | | 6.8 | | | | | | Black silty SAND, trace gravel, moist |
| | | HA-4/ 2.7-3.3 | | 7.3 | | | | | | Same as above, slight petro odor |
| 3 | -3 | HA-5/ 3.3-4.2 | | 9.3 | | | | | | Same as above |
| 4 | -4 | HA-6/ 4.2-4.8 | | 20.6 | | | | | | Same as above |
| 5 | -5 | SS-7 5.0-5.8 | 24/24 | 1.8 | 2-5-4 | | | | | Brown fine SAND, trace gravel, slight petro staining and odor Brown clayey SAND, trace gravel, moist |
| 6 | -6 | | | | | | | | | Brown coarse SAND, trace gravel, moist |
| 7 | -7 | SS-8 7.0-8.5 | 24/18 | 3.7 | 2-3-2 | | | | | Same as above |
| 8 | | | | | | | | | | |

Well: HMW-14S
Elev.:





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

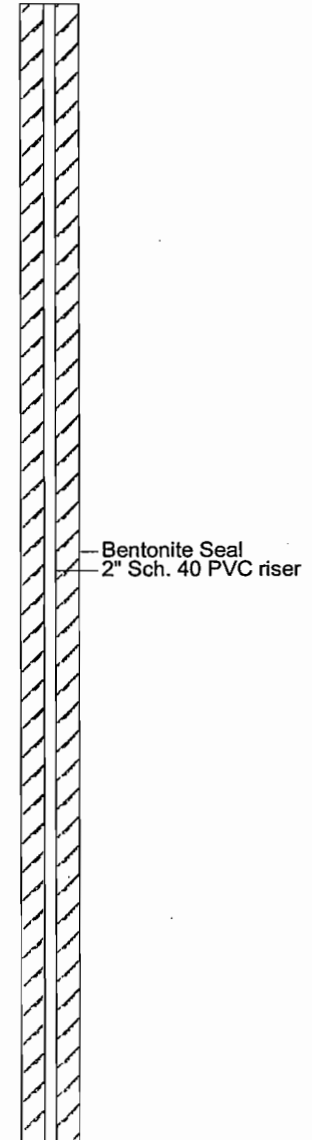
Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 ID HSA
Sampling Method : 2' Split Spoon
Total Depth (ft.) : 31.5
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-14S

(Page 2 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-14S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|-------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 8 | -8 | | | | | | | | | | | | |
| 9 | -9 | SS-9 9.0-10.3 | 24/15 | 5.1 | 6-7-4 | | | | | | | Same as above, trace clay at 9.3 to 9.8 | |
| 10 | -10 | | | | | | | | | | | | |
| 11 | -11 | SS-10 11.0-12.7 | 24/20 | 1.1 | 4-7-2 | | | | | | | Light brown coarse SAND, trace gravel, moist | |
| 12 | -12 | | | | | | | | | | | | |
| 13 | -13 | SS-11 13.0-14.7 | 24/20 | 0.0 | 3-5-3 | | | | | | | Light brown fine SAND, trace gravel, moist | |
| 14 | -14 | | | | | | | | | | | | |
| 15 | -15 | SS-12 15.0-15.3 | 24/20 | 3.0 | 4-5-2 | | | | | | | Same as above Light brown coarse SAND, trace gravel, moist | |
| 16 | -16 | | | | | | | | | | | | |



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11-30-2001

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

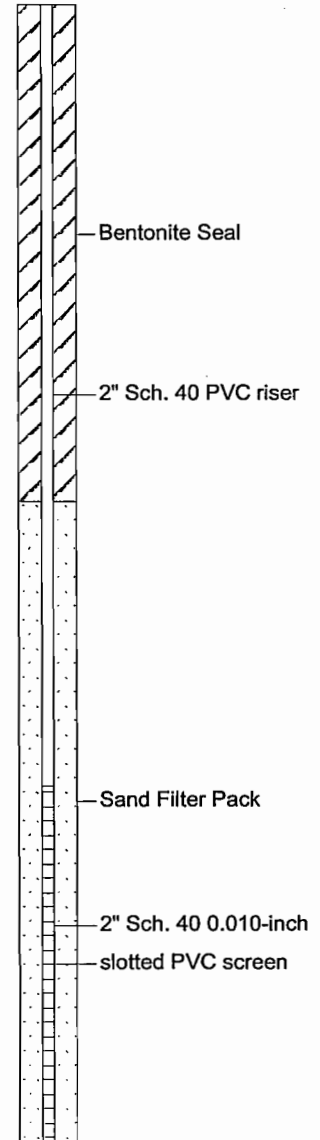
Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 ID HSA
Sampling Method : 2' Split Spoon
Total Depth (ft.) : 31.5
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-14S

(Page 3 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | DESCRIPTION | Soil Samples | | Water Levels | | Well: HMW-14S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|----------------|--------------|--------------|-------------------|-------------------------|
| | | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 16 | -16 | | | | | | | | | | | | |
| 17 | -17 | SS-13 17.0-18.7 | 24/20 | 4.3 | 7-13-12 | ☒ | | Same as above | | | | | |
| 18 | -18 | | | | | | | | | | | | |
| 19 | -19 | SS-14 19.0-20.3 | 24/15 | 5.1 | 7-21-14 | ☒ | | Light brown coarse SAND, with gravel, band of dark staining from 19.4 to 19.6 and from 19.9 to 20.2 | | | | | |
| 20 | -20 | | | | | | | | | | | | |
| 21 | -21 | SS-15 21.0-22.3 | 24/15 | 4.0 | 8-33-20 | ☒ | | Same as above (no staining) | | | | | |
| 22 | -22 | | | | | | | | | | | | |
| 23 | -23 | SS-16 23.0-25.0 | 24/24 | 5.0 | 10-22-9 | ☒ | | Light brown coarse SAND, some gravel, very moist from 23.0 to 24.0 and saturated at 24.0 | | | | | |
| 24 | | | | | | | | | | | | | |





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

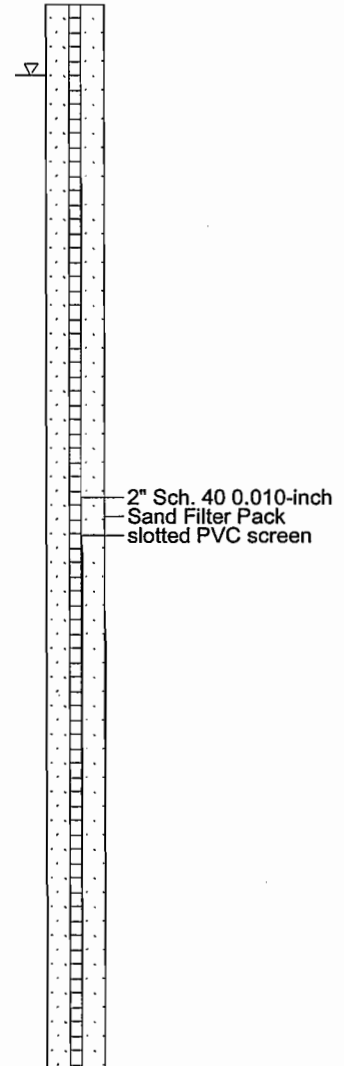
Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 ID HSA
Sampling Method : 2' Split Spoon
Total Depth (ft.) : 31.5
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-14S

(Page 4 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-14S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|-------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 24 | -24 | | | | | | | | | | | | |
| 25 | -25 | SS-17 25.0-26.4 | 24/17 | 8.9 | 3-7-10 | | | | | | | Same as above | |
| 26 | -26 | | | | | | | | | | | | |
| 27 | -27 | SS-18 27.0-28.5 | 24/18 | 27.7 | 4-8-10 | | | | | | | Same as above, petrol, stain and odor from 27.7 to 28.5 | |
| 28 | -28 | | | | | | | | | | | | |
| 29 | -29 | SS-19 29.0-30.5 | 24/18 | 11.5 | 3-5-3 | | | | | | | Same as above | |
| 30 | -30 | | | | | | | | | | | | |
| 31 | -31 | | | | | | | | | | | End of boring at 31.5' | |
| 32 | | | | | | | | | | | | | |



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11-30-2001



Date Started : 08/15/01
 Date Completed : 08/15/01
 Logged by : James P. Hogan
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : CT250 4 1/4 HSAs
 Sampling Method : Hand Auger, Split Spoons
 Total Depth (ft.) : 64.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-15D

(Page 1 of 4)

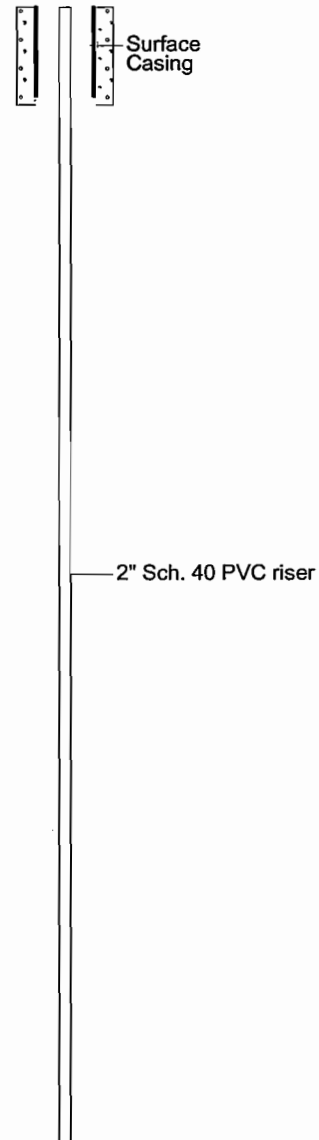
South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | Asphalt / concrete |
| 1 | -1 | HA-1/ 1.0-1.5 | | 0.8 | | | | | | Brown fine SAND, some gravel, moist |
| 2 | -2 | HA-2/ 1.5-2.0 | | 3.0 | | | | | | Black silty SAND, some gravel, organics, moist |
| 3 | -3 | HA-3/ 2.0-2.7 | | 6.8 | | | | | | Black silty SAND, trace gravel, moist |
| 4 | -4 | HA-4/ 2.7-3.3 | | 7.3 | | | | | | Same as above, slight petro odor |
| 5 | -5 | HA-5/ 3.3-4.2 | | 9.3 | | | | | | Same as above |
| 6 | -6 | HA-6/ 4.2-4.8 | | 20.6 | | | | | | Same as above |
| 7 | -7 | SS-7 5.0-5.8 | 24/24 | 1.8 | 2-5-4 | | | | | Brown fine SAND, trace gravel, slight petro staining and odor |
| 8 | -8 | | | | | | | | | Brown clayey SAND, trace gravel, moist |
| 9 | -9 | SS-8 7.0-8.5 | 24/18 | 3.7 | 2-3-2 | | | | | Brown coarse SAND, trace gravel, moist |
| 10 | -10 | | | | | | | | | Same as above |
| 11 | -11 | SS-9 9.0-10.3 | 24/15 | 5.1 | 6-7-4 | | | | | Same as above, trace clay at 9.3 to 9.8 |
| 12 | -12 | | | | | | | | | |
| 13 | -13 | SS-10 11.0-12.7 | 24/20 | 1.1 | 4-7-2 | | | | | Light brown coarse SAND, trace gravel, moist |
| 14 | -14 | | | | | | | | | |
| 15 | -15 | SS-11 13.0-14.7 | 24/20 | 0.0 | 3-5-3 | | | | | Light brown fine SAND, trace gravel, moist |
| 16 | -16 | SS-12 15.0-15.3 | 24/20 | 3.0 | 4-5-2 | | | | | Same as above Light brown coarse SAND, trace gravel, moist |

Well: HMW-15D
Elev.:



F:\CLIENTS\BINSBI002\SOIL BORING LOGS\HMW-15D.BOR

11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : James P. Hogan
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : CT250 4 1/4 HSAs
Sampling Method : Hand Auger, Split Spoons
Total Depth (ft.) : 64.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-15D

(Page 2 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | DESCRIPTION | Soil Samples | | Water Levels | | Well: HMW-15D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---------------------------------------|-------------------------------------|-------------------------------------|--|-------------------------|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| 16 | -16 | | | | | | | | | | | | |
| 17 | -17 | SS-13 17.0-18.7 | 24/20 | 4.3 | 7-13-12 | | | Same as above | | | | | |
| 18 | -18 | | | | | | | | | | | | |
| 19 | -19 | SS-14 19.0-20.3 | 24/15 | 5.1 | 7-21-14 | | | Light brown coarse SAND, with gravel, band of dark staining from 19.4 to 19.6 and from 19.9 to 20.2 | | | | | |
| 20 | -20 | | | | | | | | | | | | |
| 21 | -21 | SS-15 21.0-22.3 | 24/15 | 4.0 | 8-33-20 | | | Same as above (no staining) | | | | | |
| 22 | -22 | | | | | | | | | | | | |
| 23 | -23 | SS-16 23.0-25.0 | 24/24 | 5.0 | 10-22-9 | | | Light brown coarse SAND, some gravel, very moist from 23.0 to 24.0 and saturated at 24.0 | | | | | |
| 24 | -24 | | | | | | | | | | | | 2" Sch. 40 PVC riser |
| 25 | -25 | SS-17 25.0-26.4 | 24/17 | 8.9 | 3-7-10 | | | Same as above | | | <input checked="" type="checkbox"/> | | |
| 26 | -26 | | | | | | | | | | | | |
| 27 | -27 | SS-18 27.0-28.5 | 24/18 | 27.7 | 4-8-10 | | | Same as above, petrol, stain and odor from 27.7 to 28.5 | | | | | |
| 28 | -28 | | | | | | | | | | | | |
| 29 | -29 | SS-19 29.0-30.5 | 24/18 | 11.5 | 3-5-3 | | | Same as above | | | | | |
| 30 | -30 | SS-1 30.0-31.2 | 2.0/1.2 | 2.5 | 8-21-15 | | | Medium dense to dense coarse and medium brown SAND; trace gravel; wet | | | | | |
| 31 | -31 | | | | | | | | | | | | |
| 32 | -32 | | | | | | | | | | | | |

F:\CLIENTS\BENSBI002\SOIL BORING LOGS\HMW-15D.BOR

11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : James P. Hogan
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : CT250 4 1/4 HSAs
Sampling Method : Hand Auger, Split Spoons
Total Depth (ft.) : 64.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-15D

(Page 3 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------|---|
| | | | | | | | | Sampled Int. | Static During Drilling | |
| 32 | -32 | SS-2 32.0-33.3 | 2.0/1.3 | 2.4 | 7-20-12 | | | | | Medium dense, same as above |
| 33 | -33 | | | | | | | | | |
| 34 | -34 | SS-3 34.0-35.3 | 2.0/1.3 | 7.0 | 9-23-15 | | | | | Medium dense to dense, same as above |
| 35 | -35 | | | | | | | | | |
| 36 | -36 | SS-4 36.0-37.3 | 2.0/1.3 | 6.2 | 8-28-17 | | | | | Same as above |
| 37 | -37 | | | | | | | | | |
| 38 | -38 | SS-5 38.0-38.9 | 2.0/0.9 | 5.0 | 6-20-13 | | | | | Medium dense brown SAND, trace gravel; wet |
| 39 | -39 | | | | | | | | | |
| 40 | -40 | SS-6 40.0-41.3 | 2.0/1.3 | 6.8 | 4-13-34 | | | | | Medium dense brown SAND; wet |
| 41 | -41 | | | | | | | | | |
| 42 | -42 | SS-7 42.0-43.0 | 2.0/1.0 | 5.3 | 9-50-33 | | | | | Dense to very dense orange-brown gravelly coarse SAND; trace of silt, trace clay; wet |
| 43 | -43 | | | | | | | | | |
| 44 | -44 | SS-8 44.0-45.3 | 2.0/1.3 | 5.7 | 11-95-40 | | | | | |
| 45 | -45 | | | | | | | | | |
| 46 | -46 | SS-9 46.0-46.7 | 2.0/1.3 | 7.5 | 14-48-37 | | | | | Dense to very dense, same as above |
| 47 | -47 | SS-10 46.7-47.3 | | 8.0 | | | | | | Dense to very dense fine SAND; wet |
| 48 | | | | | | | | | | |

Well: HMW-15D
Elev.:

2" Sch. 40 PVC riser

F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-15D.BOR

11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : James P. Hogan
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : CT250 4 1/4 HSAs
Sampling Method : Hand Auger, Split Spoons
Total Depth (ft.) : 64.0'
S. Water Level Date :
S. Water Level (ft.) :

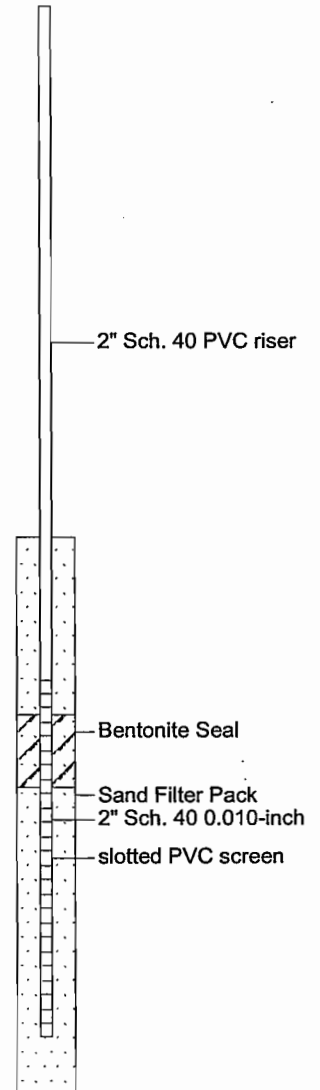
LOG OF BORING HMW-15D

(Page 4 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|-------------------------------|---|
| | | | | | | | | ☒ Sampled Int. | ▼ Static ▽ During Drilling | |
| 48 | -48 | SS-11 48.0-48.8 | 2.0/0.8 | 6.8 | 9-32-31 | ■ | ••••• | | | Dense, same as above |
| 49 | -49 | | | | | | | | | |
| 50 | -50 | SS-12 50.0-50.9 | 2.0/0.9 | 7.0 | 11-14-17 | ■ | ••••• | | | Medium dense brown SAND, trace gravel; wet |
| 51 | -51 | | | | | | | | | |
| 52 | -52 | SS-13 52.0-52.8 | 2.0/0.8 | 7.2 | 7-45-45 | ■ | ••••• | | | Dense to very dense brown SAND; wet |
| 53 | -53 | | | | | | | | | |
| 54 | -54 | SS-14 54.0-55.5 | 2.0/1.9 | 4.6 | 4-22-28 | ■ | ••••• | | | Medium dense to dense brown fine SAND; wet |
| 55 | -55 | | | | | | | | | |
| 56 | -56 | SS-15 55.5-55.9 SS-16 56.0-56.8 | 2.0/0.8 | 5.4 | 17-38-40 | ■ | ••••• | | | Medium dense to dense SAND, little gravel; wet Dense brown SAND; wet |
| 57 | -57 | | | | | | | | | |
| 58 | -58 | SS-17 58.0-59.3 | 2.0/1.3 | 4.0 | 7-51-48 | ■ | ••••• | | | Very dense, same as above |
| 59 | -59 | | | | | | | | | |
| 60 | -60 | SS-18 60.0-61.0 | 2.0/1.0 | 3.3 | 19-32-31 | ■ | ••••• | | | Dense brown SAND, trace gravel; wet |
| 61 | -61 | | | | | | | | | |
| 62 | -62 | SS-19 62.0-63.0 | 1.3/1.3 | 1.4 | 3-34-50 | ■ | ••••• | | | Very dense brown SAND; wet |
| 63 | -63 | SS-20 63.0-63.3 | | 2.9 | | ■ | ••••• | | | Hard clayey SILT, little sand; dry |
| 64 | | | | | | | | | | |

Well: HMW-15D
Elev.:



11-30-2001 F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-15D.BOR



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : James Hogan
Reviewed by :
Drilling Contractor : Topflite Drilling
Drilling Method : CT250, 4 1/4" HSAs
Sampling Method : Split Spoon, Hand Auger
Total Depth (ft.) : 69.0'
S. Water Level Date :
S. Water Level (ft.) :

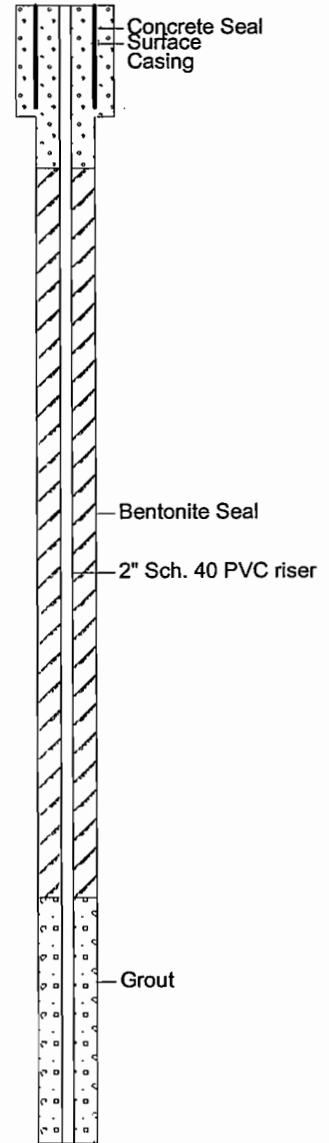
LOG OF BORING HMW-16D

(Page 1 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | Asphalt and Concrete |
| 1 | -1 | HA-1/ 1.0-2.0 | | 6.7 | | | | | | Dark brown gravelly SAND, brick, wood, moist |
| 2 | -2 | HA-2/ 2.0-4.0 | | 5.3 | | | | | | Dark brown silty SAND, trace gravel; moist |
| 4 | -4 | SS-3 4.1-5.5 | 2.0/1.5 | 0 | 6-11-6 | | | | | Same as above |
| 6 | -6 | SS-4 6.0-7.1 | 2.0/1.1 | 0 | 4-10-8 | | | | | Loose orange-brown SAND, trace gravel; moist |
| 8 | -8 | SS-5 8.0-9.5 | 2.0/1.5 | 0 | 5-12-6 | | | | | Medium dense orange-brown SAND; trace gravel; moist |
| 10 | -10 | SS-6 10.0-11.1 | 2.0/1.1 | 0 | 3-10-8 | | | | | Loose orange-brown SAND, trace gravel, moist |
| 12 | -12 | SS-7 12.0-13.0 | 2.0/1.0 | 0 | 5-6-1 | | | | | Same as above |

Well: HMW-16D
Elev.:



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-16D.BOR

11-30-2001



Date Started : 08/22/01
 Date Completed : 08/22/01
 Logged by : James Hogan
 Reviewed by :
 Drilling Contractor : Topflite Drilling
 Drilling Method : CT250, 4 1/4" HSAs
 Sampling Method : Split Spoon, Hand Auger
 Total Depth (ft.) : 69.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-16D

(Page 2 of 5)

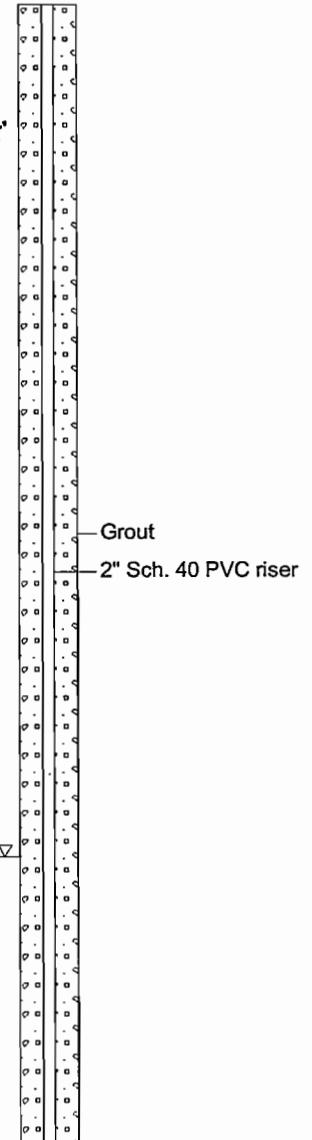
South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|--|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 14 | -14 | SS-8 14.0-15.1 | 2.0/1.1 | 0 | 5-6-7 | | | | | Same as above |
| 15 | -15 | | | | | | | | | |
| 16 | -16 | SS-9 16.0-17.0 | 2.0/1.0 | 0.7 | 9-18-10 | | | | | Medium dense brown gravelly SAND; moist |
| 17 | -17 | | | | | | | | | |
| 18 | -18 | SS-10 18.0-19.3 | 2.0-1.3 | 2.0 | 9-22-8 | | | | | Medium dense to dense brown gravelly SAND; moist |
| 19 | -19 | | | | | | | | | |
| 20 | -20 | SS-11 20.0-20.7 | 2.0/0.7 | 1.3 | 8-18-13 | | | | | Medium dense brown sandy GRAVEL; moist |
| 21 | -21 | | | | | | | | | |
| 22 | -22 | SS-12 22.0-23.0 | 2.0/1.0 | 2.0 | 13-31-14 | | | | | Dense brown gravelly SAND; moist |
| 23 | -23 | | | | | | | | | |
| 24 | -24 | SS-13 24.0-25.1 | 2.0/1.1 | 3.2 | 6-17-13 | | | | | Medium dense brown SAND; wet |
| 25 | -25 | | | | | | | | | |
| 26 | -26 | SS-14 26.0-27.4 | 2.0/1.4 | 2.3 | 5-16-13 | | | | | Same as above |
| 27 | -27 | | | | | | | | | |
| 28 | -28 | | | | | | | | | |

Well: HMW-16D
Elev.:





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : James Hogan
Reviewed by :
Drilling Contractor : Topflite Drilling
Drilling Method : CT250, 4 1/4" HSAs
Sampling Method : Split Spoon, Hand Auger
Total Depth (ft.) : 69.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-16D

(Page 3 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-16D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|---|---|-------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | | |
| 28 | -28 | SS-15 28.0-29.3 | 2.0/1.3 | 4.0 | 3-17-13 | | | | | | | Same as above | |
| 29 | -29 | | | | | | | | | | | | |
| 30 | -30 | SS-16 30.0-31.0 | 2.0/1.0 | 1.7 | 10-17-9 | | | | | | | Medium dense brown sandy GRAVEL; wet | |
| 31 | -31 | | | | | | | | | | | | |
| 32 | -32 | SS-17 32.0-33.0 | 2.0/1.0 | 5.1 | 8-25-16 | | | | | | | Medium dense to dense brown sandy GRAVEL; wet | |
| 33 | -33 | | | | | | | | | | | | |
| 34 | -34 | SS-18 34.0-35.0 | 2.0/1.0 | 4.8 | 6-18-12 | | | | | | | Medium dense brown SAND; some coarse sand; wet | |
| 35 | -35 | | | | | | | | | | | | |
| 36 | -36 | SS-19 36.0-37.2 | 2.0/1.2 | 4.3 | 4-14-13 | | | | | | | Same as above | |
| 37 | -37 | | | | | | | | | | | | |
| 38 | -38 | SS-20 38.0-39.3 | 2.0/1.3 | 2.9 | 4-24-18 | | | | | | | Medium dense to dense brown SAND; trace gravel; wet | |
| 39 | -39 | | | | | | | | | | | | |
| 40 | -40 | SS-21 40.0-40.9 | 2.0/0.9 | 3.1 | 8-12-20 | | | | | | | Same as above | |
| 41 | -41 | | | | | | | | | | | | |
| 42 | -42 | | | | | | | | | | | | |



Grout
2" Sch. 40 PVC riser

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11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

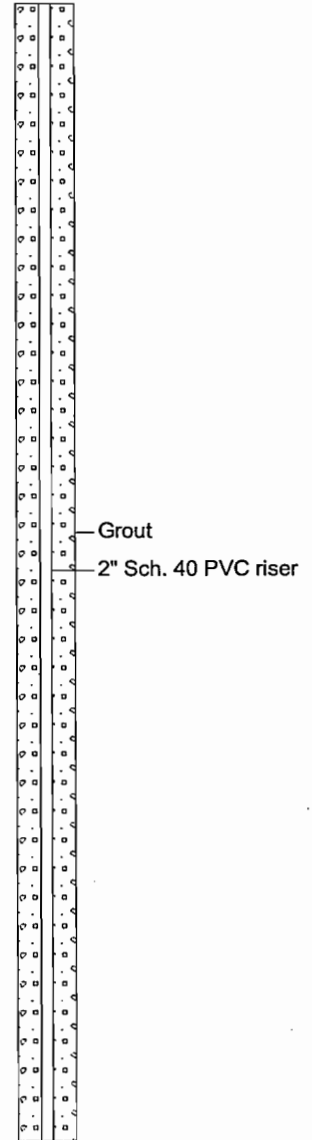
Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : James Hogan
Reviewed by :
Drilling Contractor : Topflite Drilling
Drilling Method : CT250, 4 1/4" HSAs
Sampling Method : Split Spoon, Hand Auger
Total Depth (ft.) : 69.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-16D

(Page 4 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 42 | -42 | SS-22 42.0-43.1 | 2.0/1.1 | 3.1 | 6-30-19 | ■ | ☒ | ☒ | ▼ | | | Medium dense to dense brown SAND; wet |
| 43 | -43 | | | | | ■ | ☒ | ☒ | ▼ | | | |
| 44 | -44 | SS-23 44.0-45.0 | 2.0/1.0 | 3.9 | 4-12-10 | ■ | ☒ | ☒ | ▼ | | | Medium dense, same as above |
| 45 | -45 | | | | | ■ | ☒ | ☒ | ▼ | | | |
| 46 | -46 | SS-24 46.0-46.8 | 2.0/0.8 | 4.1 | 4-21-21 | ■ | ☒ | ☒ | ▼ | | | Medium dense to dense, same as above |
| 47 | -47 | | | | | ■ | ☒ | ☒ | ▼ | | | |
| 48 | -48 | | 0.2/0.0 | | 50/2 | | ☒ | ☒ | ▼ | | | No recovery |
| 49 | -49 | | | | | | ☒ | ☒ | ▼ | | | |
| 50 | -50 | SS-25 50.0-50.1 | 0.1/0.0 | 4.1 | 50/1 | ■ | ☒ | ☒ | ▼ | | | Very dense SAND, some coarse sand; wet |
| 51 | -51 | | | | | | ☒ | ☒ | ▼ | | | |
| 52 | -52 | SS-26 52.0-52.1 | 0.3/0.1 | 3.9 | 100/3 | ■ | ☒ | ☒ | ▼ | | | Very dense gravelly SAND; wet |
| 53 | -53 | | | | | | ☒ | ☒ | ▼ | | | |
| 54 | -54 | SS-27 54.0-54.3 | 0.3/0.3 | 3.5 | 50/3 | ■ | ☒ | ☒ | ▼ | | | Very dense SAND, some coarse sand; wet |
| 55 | -55 | | | | | | ☒ | ☒ | ▼ | | | |
| 56 | -56 | | | | | | ☒ | ☒ | ▼ | | | |



Well: HMW-16D
Elev.:

F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-16D.BOR

11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/22/01
Date Completed : 08/22/01
Logged by : James Hogan
Reviewed by :
Drilling Contractor : Topflite Drilling
Drilling Method : CT250, 4 1/4" HSAs
Sampling Method : Split Spoon, Hand Auger
Total Depth (ft.) : 69.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-16D

(Page 5 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | DESCRIPTION | Soil Samples | | Water Levels | | Well: HMW-16D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|----------------|--------------|--------------|-------------------|-------------------------|
| | | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 56 | -56 | SS-28 56.0-56.7 | 2.0/0.7 | 4.8 | 138-219-25 | ■ | | Very dense coarse SAND; trace sand; trace gravel; wet | | | | | |
| 57 | -57 | | | | | | | | | | | | |
| 58 | -58 | SS-29 58.0-59.0 | 2.0/1.0 | 3.1 | 39-56-61 | ■ | | Very dense SAND; wet; clayey sand in tip | | | | | |
| 59 | -59 | | | | | | | | | | | | |
| 60 | -60 | SS-30 60.0-61.1 | 1.3/1.1 | 4.3 | 10-31-50 | ■ | | Very dense brown SAND; wet; sandy gravel in tip | | | | | |
| 61 | -61 | | | | | | | | | | | | |
| 62 | -62 | SS-31 62.0-63.3 | 1.9/1.3 | 4.9 | 12-55-50 | ■ | | Very dense brown SAND; wet | | | | | |
| 63 | -63 | | | | | | | | | | | | |
| 64 | -64 | SS-32 64.0-64.7 | 1.5/1.3 | 4.0 | 24-35-50 | ■ | | Same as above | | | | | |
| 65 | -65 | SS-33 64.7-65.3 | | 4.3 | | ■ | | Very dense brown sandy GRAVEL; wet | | | | | |
| 66 | -66 | SS-34 66.0-66.9 | 1.5/1.2 | 5.2 | 9-27-50 | ■ | | Very dense brown SAND; wet | | | | | |
| 67 | -67 | SS-35 66.9-67.2 | | 5.8 | | ■ | | Very dense brown silty, little sand; trace clay; moist | | | | | |
| 68 | -68 | SS-36 68.0-68.9 | 1.5/0.9 | 4.4 | 23-42-50 | ■ | | Hard gray clayey SILT, trace sand; moist | | | | | |
| 69 | -69 | | | | | | | End of boring at 69.0' | | | | | |
| 70 | | | | | | | | | | | | | |

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11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

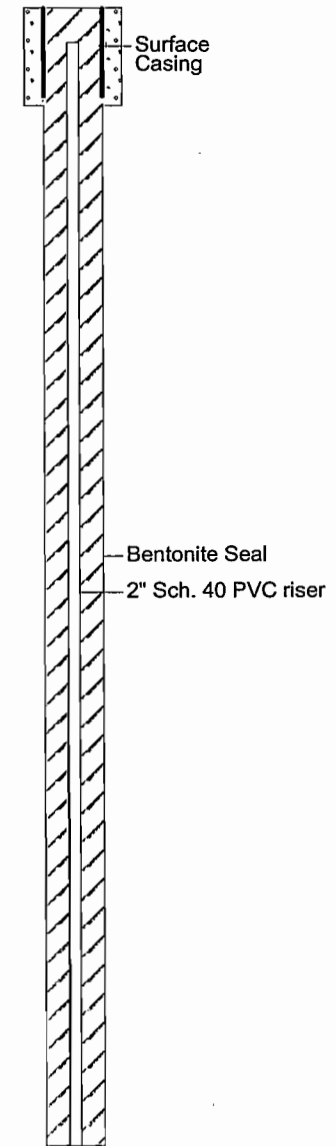
Date Started : 08/14/01
Date Completed : 08/14/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 HSA
Sampling Method : Split Spoons
Total Depth (ft.) : 32'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-18S

(Page 1 of 2)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|--|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | SS-1 0.0-1.2 | | 1.5 | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Black silty SAND, some gravel organics, very moist |
| 1 | -1 | SS-2 1.2-2.1 | | 2.1 | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Same as above |
| 2 | -2 | SS-3 2.1-2.3 | | 4.9 | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Brown fine SAND, some gravel, very moist |
| 3 | -3 | | | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Same as above |
| 4 | -4 | SS-4 3.5-4.2 | | 2.6 | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Same as above, wood fragments |
| 4 | -4 | SS-5 4.2-5.0 | | 1.9 | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Same as above, trace coal fragments |
| 5 | -5 | SS-6 5.0-6.7 | 24/20 | 7.8 | 4-7-3 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Brown fine SAND, trace gravel, moist |
| 6 | -6 | | | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 7 | -7 | SS-7 7.0-8.3 | 24/20 | 3.9 | 4-6-3 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Same as above |
| 8 | -8 | | | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Brown coarse SAND, trace gravel, moist |
| 9 | -9 | SS-8 9.0-10.3 | 24/15 | 5.7 | 5-11-7 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Same as above |
| 10 | -10 | | | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 11 | -11 | SS-9 11.0-12.3 | 24/15 | 6.3 | 5-7-2 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Brown coarse SAND, some gravel, very moist |
| 12 | -12 | | | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 13 | -13 | SS-10 13.0-13.8 | 24/15 | 1.4 | 3-5-2 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Same as above |
| 14 | -14 | | | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Brown clayey SILT, some gravel, moist |
| 15 | -15 | SS-11 15.0-16.3 | 24/15 | 3.7 | 4-10-6 | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Brown coarse SAND, some gravel, very moist |
| 16 | -16 | | | | | | | <input checked="" type="checkbox"/> | <input type="checkbox"/> | Brown coarse SAND, some gravel, trace clay, very moist |



11-30-2001 F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-18S.BOR



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/14/01
Date Completed : 08/14/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 HSA
Sampling Method : Split Spoons
Total Depth (ft.) : 32'
S. Water Level Date :
S. Water Level (ft.) :

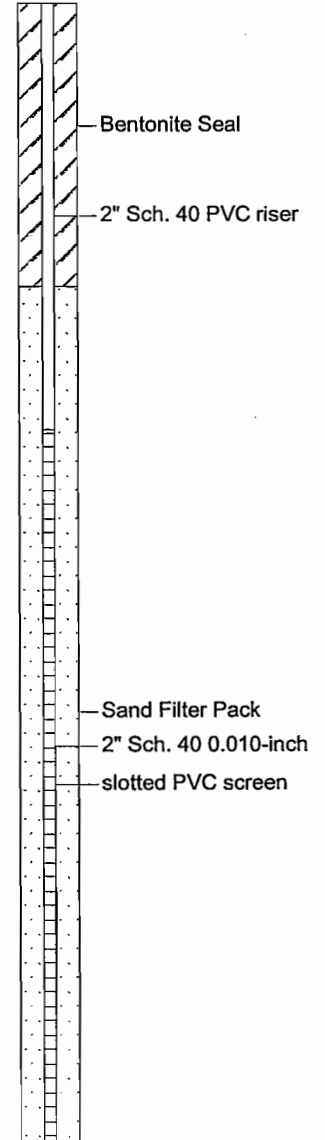
LOG OF BORING HMW-18S

(Page 2 of 2)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 16 | -16 | | | | | | | | | |
| 17 | -17 | SS-12 17.0-18.0 | 24/12 | 3.8 | 3-8-7 | | | | | Same as above |
| 18 | -18 | | | | | | | | | |
| 19 | -19 | SS-13 19.0-20.7 | 24/20 | 6.2 | 6-19-18 | | | | | Brown coarse SAND, some gravel, very moist |
| 20 | -20 | | | | | | | | | |
| 21 | -21 | SS-14 21.0-22.3 | 24/15 | 4.7 | 9-21-24 | | | | | Same as above |
| 22 | -22 | | | | | | | | | |
| 23 | -23 | SS-15 23.0-24.7 | 24/20 | 8.4 | 12-15-6 | | | | | Same as above, black staining from 23.8 to 24.7, slight petro odor |
| 24 | -24 | | | | | | | | | |
| 25 | -25 | SS-16 25.0-26.0 | 24/12 | 7.8 | 6-13-9 | | | | | SAND and GRAVEL, black staining from 25 to 25.3, saturated at 25.3' |
| 26 | -26 | | | | | | | | | |
| 27 | -27 | SS-17 27.0-28.3 | 24/15 | 6.7 | 1-3-2 | | | | | Light brown coarse SAND, trace gravel, saturated |
| 28 | -28 | | | | | | | | | |
| 29 | -29 | SS-18 29.0-30.0 | 24/12 | 5.8 | 1-2-1 | | | | | Same as above |
| 30 | -30 | | | | | | | | | |
| 31 | -31 | SS-19 31.0-31.4 | 24/5 | 5.9 | 2-3-2 | | | | | Same as above |
| 32 | | | | | | | | | | |

Well: HMW-18S
Elev.:



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-18S.BOR

11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 119'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-22D

(Page 1 of 8)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-22D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|---|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 0 | 0 | HA-1/ 0.0-2.0 | | 3.1 | | | | | | | | Crushed stone, slag fragments, black FILL medium to coarse grain sand / cinders, dry | <p>Surface Casing</p> <p>2" Sch. 40 PVC riser</p> |
| 1 | -1 | | | | | | | | | | | | |
| 2 | -2 | HA-2/ 2.0-4.0 | | 3.1 | | | | | | | | Brown medium to fine grain SAND, trace silt, trace gravel, moist | |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/8 | 4.4 | 7-17-13 | | | | | | | Same as above, light brown | |
| 5 | -5 | | | | | | | | | | | Same as above | |
| 6 | -6 | SS-4 5.0-6.7 | 24/18 | 3.8 | 2-8-6 | | | | | | | Same as above, interbedded silty sand seam at 6.5' | |
| 7 | -7 | | | | | | | | | | | Light brown medium to fine grain SAND, moist trace silt | |
| 8 | -8 | SS-5 8.0-10.0 | 24/12 | 2.6 | 2-4-6 | | | | | | | Same as above | |
| 9 | -9 | | | | | | | | | | | Brown medium to coarse SAND, trace silt, trace gravel | |
| 10 | -10 | SS-6 10.0-12.0 | 24/12 | 2.4 | 9-18-11 | | | | | | | Same as above | |
| 11 | -11 | | | | | | | | | | | | |
| 12 | -12 | SS-7 12.0-14.0 | 24/18 | 3.7 | 6-21-15 | | | | | | | Same as above, interbedded clayey sand seam at 12.5' | |
| 13 | -13 | | | | | | | | | | | | |
| 14 | -14 | SS-8 14.0-16.0 | 24/16 | 8.6 | 12-29-17 | | | | | | | Same as above | |
| 15 | -15 | | | | | | | | | | | | |

F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-22D.BOR

11-05-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

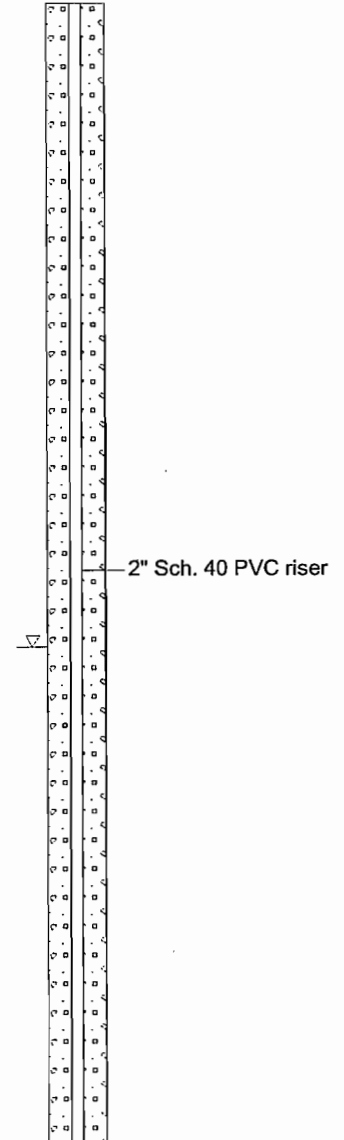
Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 119'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-22D

(Page 2 of 8)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| 15 | -15 | | | | | | | | | | | |
| 16 | -16 | SS-9 16.0-18.0 | 24/20 | 1.8 | 9-26-17 | | | | | | | Same as above, less gravel at 17.0 |
| 17 | -17 | | | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/20 | 6.3 | 8-28-16 | | | | | | | Same as above |
| 19 | -19 | | | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/22 | 14.7 | 10-25-16 | | | | | | | Same as above, black banding at 21.5' |
| 21 | -21 | | | | | | | | | | | |
| 22 | -22 | SS-12 22.0-23.0 | 24/20 | 3.8 | 8-19-12 | | | | | | | |
| 23 | -23 | SS-13 23.0-24.0 | | 4.1 | | | | | | | | Same as above, wet at 23.0' |
| 24 | -24 | SS-14 24.0-26.0 | 24/22 | 3.6 | 4-14-9 | | | | | | | Same as above, brown coarse to medium sand, trace silt, trace gravel |
| 25 | -25 | | | | | | | | | | | |
| 26 | -26 | SS-15 26.0-28.0 | 24/22 | 9.7 | 4-28-20 | | | | | | | Same as above |
| 27 | -27 | | | | | | | | | | | |
| 28 | -28 | SS-16 28.0-30.0 | 24/16 | 9.9 | 6-23-16 | | | | | | | Same as above, more gravel |
| 29 | -29 | | | | | | | | | | | |
| 30 | -30 | | | | | | | | | | | |



F:\CLIENTS\BIBI002\SOIL BORING LOGS\HMW-22D.BOR

11-05-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 119'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-22D

(Page 3 of 8)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|-----------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| 30 | -30 | SS-17 30.0-32.0 | 24/20 | 16.0 | 6-10-13 | | | | | | | <p>2" Sch. 40 PVC riser</p> |
| 31 | -31 | | | | | | | | | | | |
| 32 | -32 | SS-18 32.0-34.0 | 24/22 | 5.9 | 9-19-22 | | | | | | | |
| 33 | -33 | | | | | | | | | | | |
| 34 | -34 | SS-19 34.0-36.0 | 24/18 | 13.7 | 6-21-14 | | | | | | | |
| 35 | -35 | | | | | | | | | | | |
| 36 | -36 | SS-20 36.0-38.0 | 24/20 | 5.4 | 9-22-9 | | | | | | | |
| 37 | -37 | | | | | | | | | | | |
| 38 | -38 | SS-21 38.0-40.0 | 24/18 | 5.6 | 6-32-35 | | | | | | | |
| 39 | -39 | | | | | | | | | | | |
| 40 | -40 | SS-22 40.0-42.0 | 23/22 | 3.4 | 8-58-50 | | | | | | | |
| 41 | -41 | | | | | | | | | | | |
| 42 | -42 | SS-23 42.0-44.0 | 24/16 | 2.4 | 9-49-30 | | | | | | | |
| 43 | -43 | | | | | | | | | | | |
| 44 | -44 | SS-24 44.0-46.0 | 24/24 | 4.1 | 9-47-25 | | | | | | | |
| 45 | -45 | | | | | | | | | | | |

F:\CLIENTS\BISBI002\SOIL BORING LOGS\HMW-22D.BOR

11-05-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 119'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-22D

(Page 4 of 8)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-22D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|-------------------------------------|--|---|--|-------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | | |
| 45 | -45 | | | | | | | | | | | | |
| 46 | -46 | SS-25 46.0-48.0 | 24/20 | 5.9 | 14-47-37 | | | | | | | Same as above, increase gravel | |
| 47 | -47 | | | | | | | | | | | | |
| 48 | -48 | SS-26 48.0-50.0 | 24/20 | 5.5 | 10-38-19 | | | | | | | Same as above, few gravel, less sand | |
| 49 | -49 | | | | | | | | | | | | |
| 50 | -50 | SS-27 50.0-52.0 | 24/10 | 5.6 | 13-31-28 | | | | | | | Same as above, increase silt | |
| 51 | -51 | | | | | | | | | | | | |
| 52 | -52 | SS-28 52.0-54.0 | 23/16 | 4.6 | 25-88-50 | | | | | | | Same as above, large stone in spoon | |
| 53 | -53 | | | | | | | | | | | Brown fine to medium SAND, trace silt, trace gravel, large stone in end of spoon | |
| 54 | -54 | 54.0-55.0 | 24/18 | 6.8 | 24-53-27 | | | | | | | Same as above | |
| 55 | -55 | SS-30 55.0-56.0 | | 6.3 | | | | | | | | Grey silty clayey SAND, trace gravel | |
| 56 | -56 | SS-31 56.0-58.0 | 24/6 | 4.0 | 39-75-18 | | | | | | | Same as above | |
| 57 | -57 | | | | | | | | | | | | |
| 58 | -58 | SS-22 58.0-60.0 | 24/12 | 6.6 | 2-19-19 | | | | | | | Same as above | |
| 59 | -59 | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | Brown fine to medium SAND, trace gravel trace silt | |



2" Sch. 40 PVC riser



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 119'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-22D

(Page 5 of 8)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION | Well: HMW-22D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Static <input type="checkbox"/> During Drilling | | |
| 60 | -60 | SS-23 60.0-62.0 | 24/24 | 8.4 | 8-28-27 | | | | | Same as above, medium to coarse sand | <p>Grout</p> <p>2" Sch. 40 PVC riser</p> <p>Hole plug</p> <p>Sand Filter Pack</p> |
| 61 | -61 | | | | | | | | | Brown fine SAND, trace silt, trace gravel 2" brown clayey sand seam, very dense, trace gravel | |
| 62 | -62 | SS-27 62.0-64.0 | 24/24 | 8.3 | 13-68-52 | | | | | Brown fine SAND, trace silt, trace gravel | |
| 63 | -63 | | | | | | | | | Same as above, increase gravel | |
| 64 | -64 | SS-28 64.0-66.0 | 17/6 | 8.1 | 18-25-50 | | | | | Brown fine silty SAND 1" brown silt seam, lost last 6" at 63.5 Same as above, may have washed out sand when removing rods | |
| 65 | -65 | | | | | | | | | | |
| 66 | -66 | SS-29 66.6-68.0 | 23/18 | 5.5 | 10-57-50 | | | | | Brown fine to medium SAND, trace silt, trace gravel | |
| 67 | -67 | | | | | | | | | | |
| 68 | -68 | SS-30 68.0-70.0 | 21/24 | 8.2 | 15-58-50 | | | | | Same as above, no gravel | |
| 69 | -69 | | | | | | | | | | |
| 70 | -70 | SS-31 70.0-72.0 | 22/20 | 8.5 | 18-56-50 | | | | | 2" brown sandy SILT seam at 69.5' Same as above, trace gravel | |
| 71 | -71 | | | | | | | | | | |
| 72 | -72 | SS-32 72.0-74.0 | 15/15 | 8.7 | 9-25-50 | | | | | Same as above, no gravel, 3" brown silt seam at 73.5, lost last 6" | |
| 73 | -73 | | | | | | | | | | |
| 74 | -74 | SS-33 74.0-76.0 | 21/18 | 0.0 | 25-61-50 | | | | | Same as above, trace gravel just above 1" sandy silt seam | |
| 75 | -75 | | | | | | | | | | |

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11-05-2001

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

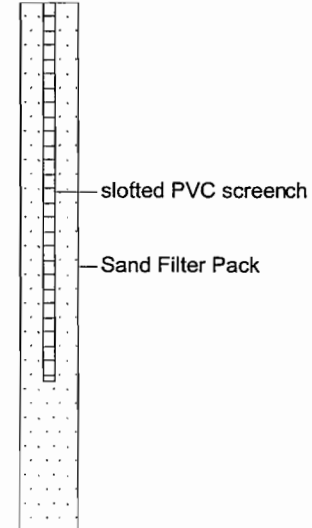
Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 119'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-22D

(Page 6 of 8)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| 75 | -75 | | | | | | | | | | | |
| 76 | -76 | SS-34 76.0-78.0 | 22/18 | 0.0 | 10-75-50 | | | | | | | Same as above, increase silt with depth, trace gravel |
| 77 | -77 | | | | | | | | | | | |
| 78 | -78 | SS-35 78.0-80.0 | 24/18 | 0.0 | 8-44-50 | | | | | | | Same as above |
| 79 | -79 | | | | | | | | | | | Brown silt seam at 79', 1" thick Brown sandy silt, 6" thick Brown silt at end of spoon 3" thick |
| 80 | -80 | SS-36 80.0-82.0 | 24/16 | 0.0 | 8-35-35 | | | | | | | Brown sandy SILT, trace gravel |
| 81 | -81 | | | | | | | | | | | Brown silt seam, trace gravel, last 4" |
| 82 | -82 | SS-37 82.0-84.0 | 24/24 | 0.0 | 12-38-46 | | | | | | | Light brown fine to medium SAND, trace silt, trace gravel |
| 83 | -83 | | | | | | | | | | | |
| 84 | -84 | SS-38 84.0-86.0 | 16/16 | 0.0 | 24-45-50 | | | | | | | Brown sandy silt, last 6" Same as above, first 3" |
| 85 | -85 | | | | | | | | | | | |
| 86 | -86 | SS-39 86.0-88.0 | 16/6 | 0.0 | 12-25-50 | | | | | | | Brown medium to fine SAND, trace silt, trace gravel |
| 87 | -87 | | | | | | | | | | | Grey sandy SILT, manganese oxidation, last 6" Same as above |
| 88 | -88 | SS-40 88.0-90.0 | 16/14 | 0.0 | 11-45-50 | | | | | | | Same as above, first 2" Grey silt, very dense, 6" thick |
| 89 | -89 | | | | | | | | | | | |
| 90 | -90 | | | | | | | | | | | |





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 119'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-22D

(Page 7 of 8)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|--|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 90 | -90 | SS-41 90.0-92.0 | 12/10 | 0.0 | 25/86 | | | | | Grey silty SAND, last 6" |
| 91 | -91 | | | | | | | | | Same as above |
| 92 | -92 | | 24/0 | | 8-24-13 | | | | | Gravel (cobbles) at end of spoon, few medium to fine sand, trace silt |
| 93 | -93 | | | | | | | | | |
| 94 | -94 | SS-42 94.0-96.0 | 24/14 | 0.0 | 8-32-24 | | | | | Grey silty SAND |
| 95 | -95 | | | | | | | | | |
| 96 | -96 | SS-43 96.0-98.0 | 24/24 | 0.0 | 8-39-31 | | | | | Same as above |
| 97 | -97 | | | | | | | | | |
| 98 | -98 | | 21/24 | | 8-69-50 | | | | | Same as above |
| 99 | -99 | | | | | | | | | |
| 100 | -100 | SS-45 100-102 | 24/18 | 4.2 | 18-55-50 | | | | | Same as above |
| 101 | -101 | | | | | | | | | Grey SILT, trace fine sand |
| 102 | -102 | SS-46 102-104 | 21/16 | 2.8 | 22-78-50 | | | | | Grey sandy SILT |
| 103 | -103 | | | | | | | | | |
| 104 | -104 | SS-47 104-106 | 15/15 | 0.0 | 19-33-50 | | | | | Same as above |
| 105 | | | | | | | | | | |

Well: HMW-22D
Elev.:

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11-05-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : Topflite
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 119'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-22D

(Page 8 of 8)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| 105 | -105 | | | | | | | | | | | |
| 106 | -106 | SS-48 106-108 | 21/16 | 0.0 | 19-62-50 | | | | | | | Same as above, less sand, trace gravel |
| 107 | -107 | | | | | | | | | | | |
| 108 | -108 | SS-49 108-110 | 24/18 | 0.0 | 12-32-30 | | | | | | | Grey fine to medium grain silty SAND |
| 109 | -109 | | | | | | | | | | | Same as above |
| 110 | -110 | SS-50 110-112 | 16/12 | 0.0 | 23-37-50 | | | | | | | Same as above |
| 111 | -111 | | | | | | | | | | | |
| 112 | -112 | SS-51 112-114 | 17/16 | 0.0 | 23-47-50 | | | | | | | Same as above |
| 113 | -113 | | | | | | | | | | | |
| 114 | -114 | SS-52 114-116 | 24/24 | 0.0 | 12-71-50 | | | | | | | Same as above |
| 115 | -115 | | | | | | | | | | | Grey SILT |
| 116 | -116 | SS-53 116-118 | 17/16 | 0.0 | 10-31-50 | | | | | | | Grey silty fine SAND, grey silt |
| 117 | -117 | | | | | | | | | | | Same as above, grey silt, trace sand |
| 118 | -118 | | 12/12 | 0.0 | 20-50 | | | | | | | Grey sandy CLAY, trace gravel, very dense, moist |
| 119 | -119 | | | | | | | | | | | Same as above Sand at end of spoon End of boring at 119.0 |
| 120 | | | | | | | | | | | | |

Well: HMW-22D
Elev.:

F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-22D.BOR-II

11-05-2001



South Bend Area A
Franklin & Sample
South Bend, IN
SBI002

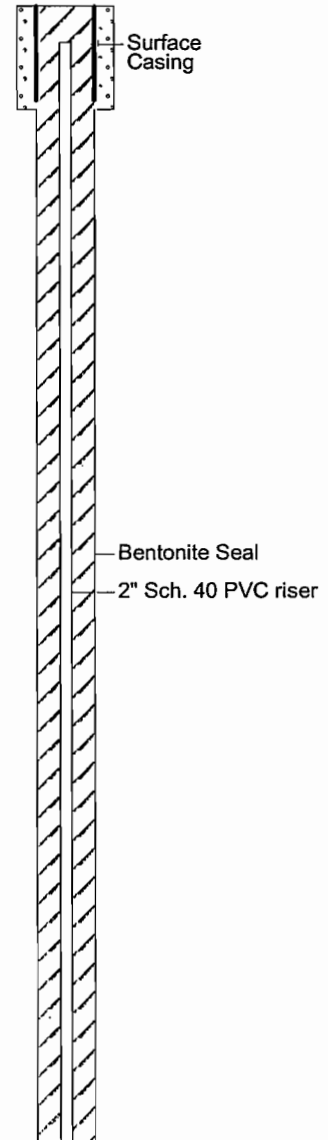
Date Started : 08/13/01
Date Completed : 08/13/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 HSA
Sampling Method : Split Spoon, 2" Macro
Total Depth (ft.) : 30'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-25S

(Page 1 of 2)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples Graphic Log | DESCRIPTION | Soil Samples | | Water Levels | | Well: HMW-25S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|-----------------------------|--|----------------|--------------|--------------|-------------------|-------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 0 | 0 | | | | | | Asphalt and Concrete | | | | | |
| 1 | -1 | HA-1/ 1.0-2.5 | | 0.2 | | ☒ | Silty SAND, some gravel very moist | | | | | |
| 2 | -2 | | | | | | | | | | | |
| 3 | -3 | HA-2/ 2.5-4.0 | | 0.5 | | ☒ | Brown silty SAND, few gravel, very moist | | | | | |
| 4 | -4 | | | | | | | | | | | |
| 5 | -5 | HA-3/ 4.0-5.0 | | 0.0 | | ☒ | Brown SAND, trace gravel, very moist | | | | | |
| 6 | -6 | | | | | | | | | | | |
| 7 | -7 | SS-4 5.0-6.7 | 24/20 | 2.5 | 3-5-2 | ☒ | Light brown fine SAND, trace gravel, very moist | | | | | |
| 8 | -8 | | | | | | | | | | | |
| 9 | -9 | SS-5 7.0-8.7 | 24/20 | 2.6 | 3-5-2 | ☒ | Same as above | | | | | |
| 10 | -10 | | | | | | | | | | | |
| 11 | -11 | SS-6 9.0-10.0 | 24/12 | 0.9 | 5-10-7 | ☒ | Light brown coarse SAND, some gravel, very moist | | | | | |
| 12 | -12 | | | | | | | | | | | |
| 13 | -13 | SS-7 11.0-12.5 | 24/18 | 2.4 | 4-6-4 | ☒ | Same as above | | | | | |
| 14 | -14 | | | | | | | | | | | |
| 15 | -15 | SS-8 13.0-14.5 | 24/18 | 1.9 | 5-12-8 | ☒ | Light brown medium coarse SAND, trace gravel, very moist | | | | | |
| 16 | -16 | | | | | | | | | | | |
| 17 | -17 | | | | | | | | | | | |
| 18 | -18 | | | | | | | | | | | |
| 19 | -19 | | | | | | | | | | | |
| 20 | -20 | | | | | | | | | | | |
| 21 | -21 | | | | | | | | | | | |
| 22 | -22 | | | | | | | | | | | |
| 23 | -23 | | | | | | | | | | | |
| 24 | -24 | | | | | | | | | | | |
| 25 | -25 | | | | | | | | | | | |
| 26 | -26 | | | | | | | | | | | |
| 27 | -27 | | | | | | | | | | | |
| 28 | -28 | | | | | | | | | | | |
| 29 | -29 | | | | | | | | | | | |
| 30 | -30 | | | | | | | | | | | |



F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-25S.BOR 11-30-2001

Date Started : 08/13/01
 Date Completed : 08/13/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : 4.25 HSA
 Sampling Method : Split Spoon, 2" Macro
 Total Depth (ft.) : 30'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-25S

(Page 2 of 2)

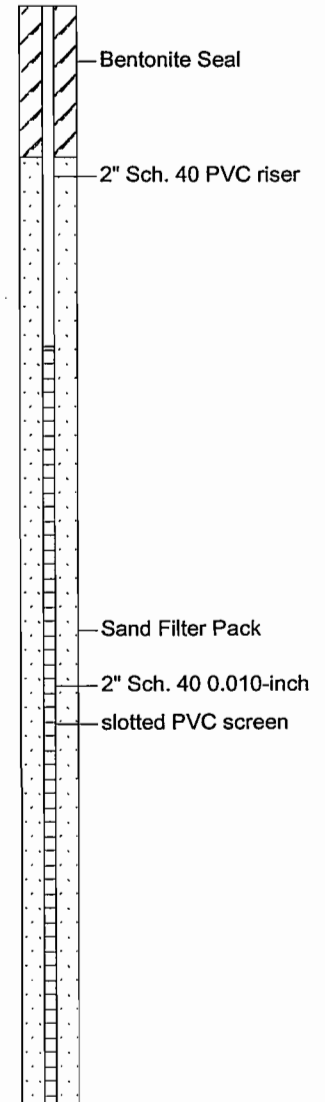
South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 15 | -15 | SS-9 15.0-16.7 | 24/20 | 2.3 | 8-18-14 | ☒ | | | | | | |
| 16 | -16 | | | | | ☒ | | | | | | |
| 17 | -17 | SS-10 17.0-18.7 | 24/20 | 5.3 | 7-12-5 | ☒ | | | | | | Same as above |
| 18 | -18 | | | | | ☒ | | | | | | Coarse SAND and GRAVEL, petrol staining from 18.3 to 18.7', very moist |
| 19 | -19 | SS-11 19.0-20.0 | 24/12 | 4.5 | 6-21-9 | ☒ | | | | | | Same as above (also stained) |
| 20 | -20 | | | | | ☒ | | | | | | Light brown coarse SAND, trace gravel |
| 21 | -21 | SS-12 21.0-22.0 | 24/12 | 4.3 | 5-11-9 | ☒ | | | | | | Light brown coarse SAND and GRAVEL, slight petro staining at 21.7' |
| 22 | -22 | | | | | ☒ | | | | | | |
| 23 | -23 | SS-13 23.0-24.5 | 24/18 | 4.1 | 14-20-12 | ☒ | | | | | | Same as above, saturated at 24.0' |
| 24 | -24 | | | | | ☒ | | | | | | |
| 25 | -25 | SS-14 25.0-26.2 | 24/14 | 4.6 | 7-10-5 | ☒ | | | | | | Same as above |
| 26 | -26 | | | | | ☒ | | | | | | |
| 27 | -27 | SS-15 27.0-28.0 | 24/12 | 3.7 | 7-14-8 | ☒ | | | | | | Same as above |
| 28 | -28 | | | | | ☒ | | | | | | |
| 29 | -29 | | | | | ☒ | | | | | | |
| 30 | -30 | | | | | ☒ | | | | | | Total depth of well is 29' 6" |

Well: HMW-25S
 Elev.:



Date Started : 08/09/01
 Date Completed : 08/09/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : 4" HSA
 Sampling Method : 2' Split Spoon
 Total Depth (ft.) : 28'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-26S

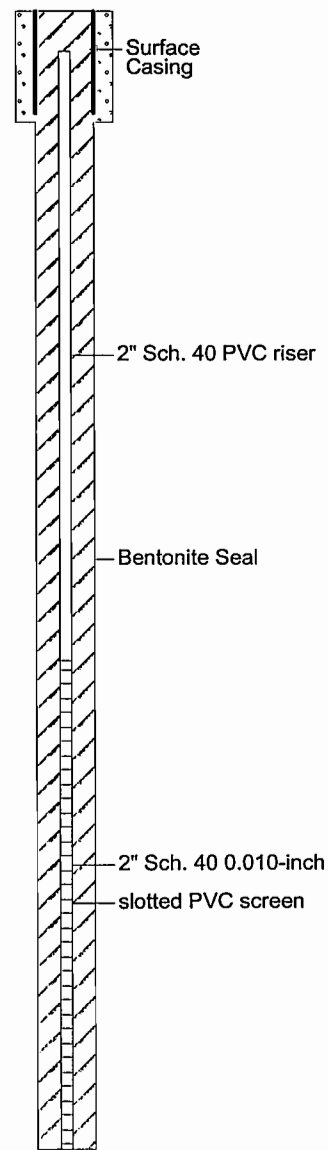
(Page 1 of 2)

South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-26S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|---|-------------------------|
| | | | | | | | | ⊗ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 0 | 0 | | | | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | Asphalt and Concrete | |
| 2 | -2 | HA-1/ 1.5-2.3 | | 1.8 | | | | | | | | Silty SAND, some gravel, trace clay, moist | |
| 3 | -3 | HA-2/ 2.3-3.8 | | 1.7 | | | | | | | | Brown coarse SAND, trace gravel, moist | |
| 4 | -4 | HA-3/ 3.8-5.0 | | 5.2 | | | | | | | | Same as above | |
| 5 | -5 | SS-4 5.0-7.0 | 24/24 | 0.5 | 4-4-3 | | | | | | | Same as above | |
| 6 | -6 | | | | | | | | | | | | |
| 7 | -7 | SS-5 7.0-8.7 | 24/20 | 0.7 | 2-2-1 | | | | | | | Light brown coarse SAND, trace gravel, very moist | |
| 8 | -8 | | | | | | | | | | | | |
| 9 | -9 | SS-6 9.0-10.3 | 24/15 | 10.1 | 3-8-4 | | | | | | | Same as above | |
| 10 | -10 | | | | | | | | | | | | |
| 11 | -11 | SS-7 11.0-12.7 | 24/20 | 1.3 | 2-6-5 | | | | | | | Same as above | |
| 12 | -12 | | | | | | | | | | | | |
| 13 | -13 | SS-8 13.0-14.7 | 24/20 | 8.3 | 5-7-8 | | | | | | | Same as above, more gravel from 14.5 to 14.7 | |
| 14 | | | | | | | | | | | | | |



Date Started : 08/09/01
 Date Completed : 08/09/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : 4" HSA
 Sampling Method : 2' Split Spoon
 Total Depth (ft.) : 28'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-26S

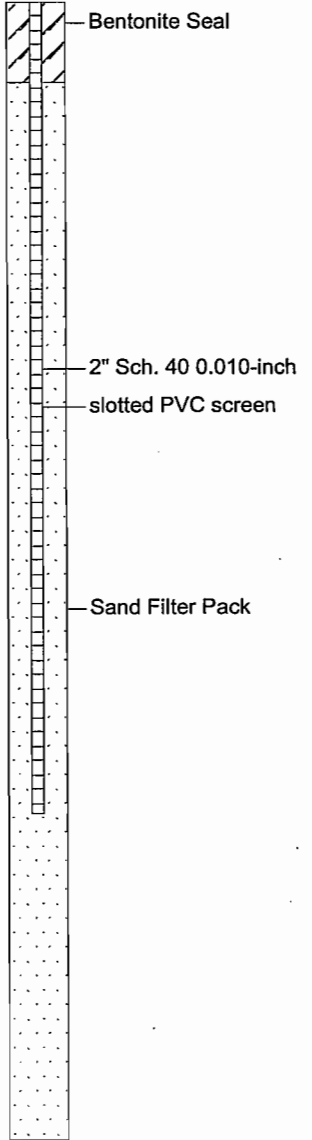
(Page 2 of 2)

South Bend Area A
 Franklin & Sample
 South Bend, IN

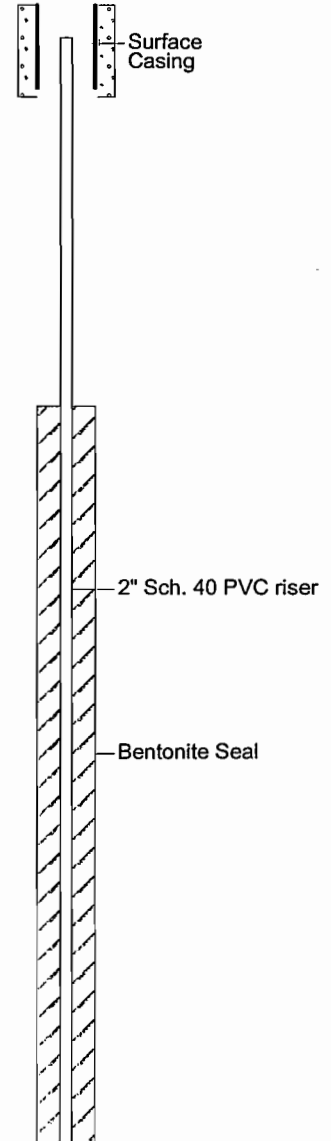
SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : PID / 2020
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-26S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|-------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 14 | -14 | | | | | | | | | | | | |
| 15 | -15 | SS-9 15.0-16.7 | 24/20 | 5.1 | 6-14-12 | ☒ | | | | | | Light brown SAND with gravel, very moist | |
| 16 | -16 | | | | | | | | | | | | |
| 17 | -17 | SS-10 17.0-18.7 | 24/20 | 6.8 | 8-10-9 | ☒ | | | | | | Same as above | |
| 18 | -18 | | | | | | | | | | | | |
| 19 | -19 | SS-11 19.0-20.0 | 24/12 | 7.9 | 8-17-12 | ☒ | | | | | | Same as above | |
| 20 | -20 | | | | | | | | | | | | |
| 21 | -21 | SS-12 21.0-22.7 | 24/20 | 6.2 | 8-17-21 | ☒ | | | | | | Same as above | |
| 22 | -22 | | | | | | | | | | | | |
| 23 | -23 | SS-13 23.0-24.7 | 24/20 | 3.1 | 8-13-11 | ☒ | | | | | | Light brown coarse SAND, some gravel, very moist | |
| 24 | -24 | | | | | | | | | | | | |
| 25 | -25 | SS-14 25.0-27.0 | 24/20 | 4.0 | 5-7-4 | ☒ | | | | | | Same as above | |
| 26 | -26 | | | | | | | | | | | | |
| 27 | -27 | SS-15 27.3-28.0 | 24/12 | 2.5 | 6-6 | ☒ | | | | | | Coarse SAND with gravel, saturated at 27.0' Coarse sand and gravel, saturated | |
| 28 | -28 | | | | | | | | | | | Total depth of well is 28.0' | |



| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION | Well: HMW-27S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|-------------------------------------|-------------|--|---|---|-------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | | |
| 0 | 0 | HA-1/ 0.0-0.8 | | 3.3 | | <input checked="" type="checkbox"/> | | | | Black SAND, rich organics, rootlet | |
| 1 | -1 | HA-2/ 1.5-2.0 | | 1.7 | | <input checked="" type="checkbox"/> | | | | Brown fine SAND, trace gravel, moist, rootlets | |
| 2 | -2 | HA-3/ 2.0-2.5 | | 4.3 | | <input checked="" type="checkbox"/> | | | | Same as above, no rootlets | |
| 3 | -3 | HA-4/ 2.5-3.5 | | 3.5 | | <input checked="" type="checkbox"/> | | | | Same as above | |
| 4 | -4 | HA-5/ 3.5-4.0 | | 3.6 | | <input checked="" type="checkbox"/> | | | | Same as above | |
| 5 | -5 | HA-6/ 4.0-5.0 | | 3.9 | | <input checked="" type="checkbox"/> | | | | Same as above | |
| 5 | -5 | SS-7 5.0-6.0 | 24/12 | 0.0 | 1-3-3 | <input checked="" type="checkbox"/> | | | | Same as above | |
| 6 | -6 | | | | | <input checked="" type="checkbox"/> | | | | Hit sewer line at 6.5' bg. offset 5' SW, Asphalt cover drill through asphalt and use probe to 5' - probed to 5' - no obstructions. Straight drill to 7' | |
| 7 | -7 | SS-8 7.0-7.5 | 24/10 | 2.7 | 4-8-2 | <input checked="" type="checkbox"/> | | | | Brown fine SAND, trace gravel, moist Light brown coarse SAND, trace gravel, moist | |
| 8 | -8 | | | | | <input checked="" type="checkbox"/> | | | | | |
| 9 | -9 | SS-9 9.0-10.0 | 24/12 | 2.4 | 1-2-4 | <input checked="" type="checkbox"/> | | | | Same as above | |
| 10 | -10 | | | | | <input checked="" type="checkbox"/> | | | | | |
| 11 | -11 | SS-10 11.0-12.0 | 24/12 | 1.0 | 1-2-12 | <input checked="" type="checkbox"/> | | | | Light brown coarse SAND with gravel, moist | |
| 12 | -12 | | | | | <input checked="" type="checkbox"/> | | | | | |
| 13 | -13 | SS-11 13.0-14.0 | 24/12 | 1.9 | 1-13-1 | <input checked="" type="checkbox"/> | | | | Light brown coarse SAND, some gravel, moist | |
| 14 | -14 | | | | | <input checked="" type="checkbox"/> | | | | | |
| 15 | -15 | SS-12 15.0-16.3 | 24/15 | 2.4 | 2-4-4 | <input checked="" type="checkbox"/> | | | | Same as above | |
| 16 | -16 | | | | | <input checked="" type="checkbox"/> | | | | | |
| 17 | -17 | | | | | <input checked="" type="checkbox"/> | | | | | |





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

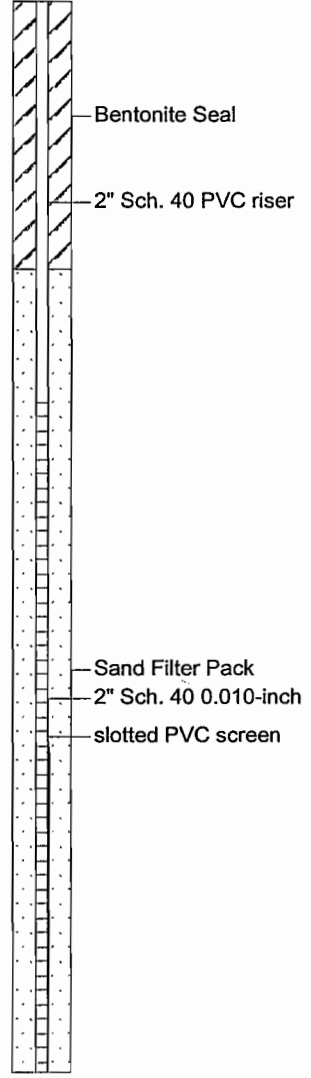
Date Started : 08/13/01
Date Completed : 08/13/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 33'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-27S

(Page 2 of 2)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 17 | -17 | SS-13 17.0-19.0 | 24/24 | 3.3 | 5-16-10 | ☒ | | | | | | Same as above |
| 18 | -18 | | | | | ☒ | | | | | | |
| 19 | -19 | SS-14 19.0-20.3 | 24/18 | 4.7 | 10-20-15 | ☒ | | | | | | Same as above |
| 20 | -20 | | | | | ☒ | | | | | | |
| 21 | -21 | SS-15 21.0-22.7 | 24/20 | 6.3 | 5-20-23 | ☒ | | | | | | Same as above |
| 22 | -22 | | | | | ☒ | | | | | | |
| 23 | -23 | SS-16 23.0-24.0 | 24/12 | 6.7 | 5-20-20 | ☒ | | | | | | Same as above, very moist to saturated |
| 24 | -24 | | | | | ☒ | | | | | | |
| 25 | -25 | SS-17 25.0-26.3 | 24/15 | 6.8 | 6-8-3 | ☒ | | | | | | Sand and Gravel, saturated at 26.0' |
| 26 | -26 | | | | | ☒ | | | | | | |
| 27 | -27 | SS-18 27.0-27.8 | 24/10 | 4.2 | 5-10-5 | ☒ | | | | | | Same as above |
| 28 | -28 | | | | | ☒ | | | | | | |
| 29 | -29 | SS-19 29.0-30.7 | 24/20 | 5.5 | 2-5-4 | ☒ | | | | | | Same as above |
| 30 | -30 | | | | | ☒ | | | | | | |
| 31 | -31 | SS-20 31.0-32.3 | 24/15 | 6.3 | 4-9-13 | ☒ | | | | | | Same as above |
| 32 | -32 | | | | | ☒ | | | | | | |
| 33 | -33 | | | | | | | | | | | Total depth is 33.0' |
| 34 | | | | | | | | | | | | |



11-30-2001 F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-27S.BOR



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/12/01
Date Completed : 09/12/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : No Sampling
Total Depth (ft.) :
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-28S

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : PID / 2020
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|---------------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | | | <p>Well: HMW-28S Elev.:</p> |
| 1 | -1 | | | | | | | | | | | |
| 2 | -2 | | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | |
| 6 | -6 | | | | | | | | | | | |
| 7 | -7 | | | | | | | | | | | |
| 8 | -8 | | | | | | | | | | | |
| 9 | -9 | | | | | | | | | | | |
| 10 | -10 | | | | | | | | | | | |
| 11 | -11 | | | | | | | | | | | |
| 12 | -12 | | | | | | | | | | | |
| 13 | -13 | | | | | | | | | | | |
| 14 | -14 | | | | | | | | | | | |
| 15 | -15 | | | | | | | | | | | |
| 16 | -16 | | | | | | | | | | | |
| 17 | -17 | | | | | | | | | | | |
| 18 | -18 | | | | | | | | | | | |
| 19 | -19 | | | | | | | | | | | |
| 20 | -20 | | | | | | | | | | | |
| 21 | -21 | | | | | | | | | | | |
| 22 | -22 | | | | | | | | | | | |
| 23 | -23 | | | | | | | | | | | |
| 24 | -24 | | | | | | | | | | | |
| 25 | -24 | | | | | | | | | | | |

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11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/30/01
Date Completed : 08/30/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 96.0'
S. Water Level Date :
S. Water Level (ft.) :

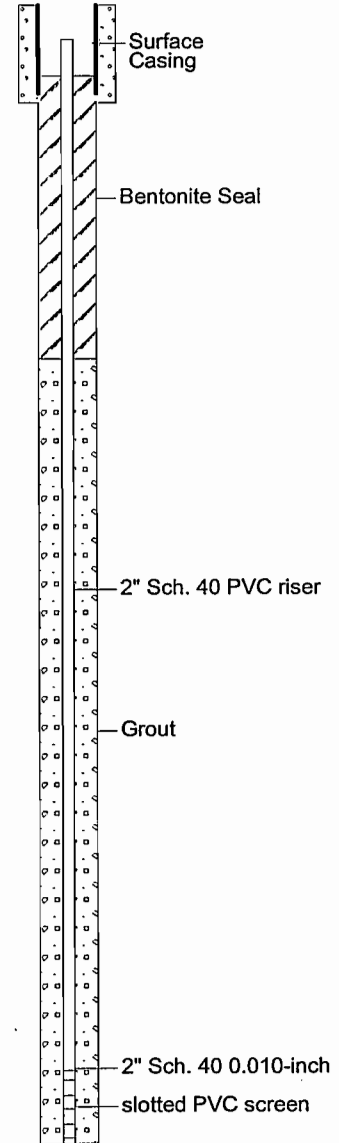
LOG OF BORING MW-28D

(Page 1 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 0 | 0 | HA-1/ 0.0-2.0 | | 0.0 | | | | | | | | Dark brown organic rich clayey SAND, trace gravel, moist |
| 1 | -1 | | | | | | | | | | | |
| 2 | -2 | HA-2/ 2.0-4.0 | | 0.0 | | | | | | | | Brown medium to coarse SAND, few silt, trace gravel |
| 3 | -3 | | | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/12 | 0.0 | 2-3-3 | | | | | | | Same as above |
| 5 | -5 | | | | | | | | | | | |
| 6 | -6 | SS-4 6.0-8.0 | 24/18 | 0.0 | 2-4-2 | | | | | | | Same as above, less silt |
| 7 | -7 | | | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/20 | 0.0 | 2-4-2 | | | | | | | Same as above |
| 9 | -9 | | | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/8 | 0.0 | 2-3-1 | | | | | | | Same as above, trace clay |
| 11 | -11 | | | | | | | | | | | |
| 12 | -12 | SS-7 12.0-14.0 | 24/12 | 0.0 | 8-19-10 | | | | | | | Light brown medium to coarse SAND, trace silt, trace gravel, moist |
| 13 | -13 | | | | | | | | | | | |
| 14 | -14 | SS-8 14.0-16.0 | 24/16 | 0.0 | 6-18-14 | | | | | | | Same as above |
| 15 | -15 | | | | | | | | | | | |
| 16 | -16 | | | | | | | | | | | |

Well: HMW-28D
Elev.:



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11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/30/01
Date Completed : 08/30/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 96.0'
S. Water Level Date :
S. Water Level (ft.) :

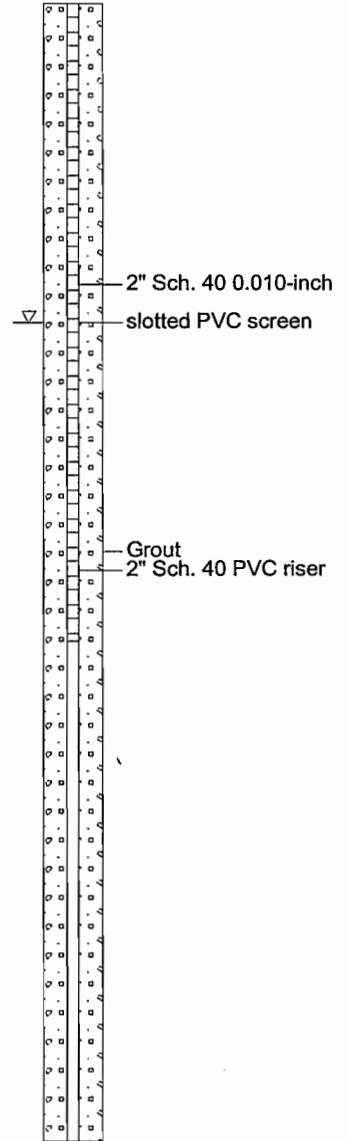
LOG OF BORING MW-28D

(Page 2 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 16 | -16 | SS-9 16.0-18.0 | 24/18 | 0.0 | 7-20-10 | | | | | Same as above |
| 17 | -17 | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/16 | 0.0 | 7-21-12 | | | | | Same as above |
| 19 | -19 | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/16 | 0.0 | 6-19-9 | | | | | Same as above, wet |
| 21 | -21 | | | | | | | | | |
| 22 | -22 | SS-12 22.0-24.0 | 24/12 | 0.0 | 6-18-14 | | | | | Same as above, large cobble in end of spoon |
| 23 | -23 | | | | | | | | | |
| 24 | -24 | SS-13 24.0-26.0 | 24/12 | 0.0 | 7-21-14 | | | | | Same as above |
| 25 | -25 | | | | | | | | | |
| 26 | -26 | SS-14 26.0-28.0 | 24/16 | 0.0 | 4-16-15 | | | | | Same as above |
| 27 | -27 | | | | | | | | | Same as above, few gravel |
| 28 | -28 | SS-15 28.0-30.0 | 24/14 | 0.0 | 6-15-14 | | | | | Same as above, trace gravel |
| 29 | -29 | | | | | | | | | |
| 30 | -30 | SS-16 30.0-32.0 | 24/12 | 0.0 | 2-8-8 | | | | | Same as above |
| 31 | -31 | | | | | | | | | |
| 32 | | | | | | | | | | |

Well: HMW-28D
Elev.:



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/30/01
Date Completed : 08/30/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 96.0'
S. Water Level Date :
S. Water Level (ft.) :

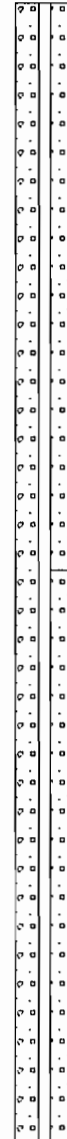
LOG OF BORING MW-28D

(Page 3 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 32 | -32 | SS-17 32.0-34.0 | 24/16 | 0.0 | 3-16-22 | | | | | Same as above |
| 33 | -33 | | | | | | | | | |
| 34 | -34 | SS-18 34.0-36.0 | 24/12 | 0.0 | 8-48-30 | | | | | Same as above, large cobble noted in spoon |
| 35 | -35 | | | | | | | | | |
| 36 | -36 | SS-19 36.0-38.0 | 24/18 | 0.0 | 13-28-24 | | | | | Same as above, increase gravel |
| 37 | -37 | | | | | | | | | |
| 38 | -38 | SS-20 38.0-40.0 | 24/12 | 0.0 | 10-31-23 | | | | | Same as above |
| 39 | -39 | | | | | | | | | |
| 40 | -40 | SS-21 40.0-42.0 | 24/6 | 0.0 | 6-25-21 | | | | | Same as above |
| 41 | -41 | | | | | | | | | |
| 42 | -42 | SS-22 42.0-44.0 | 24/20 | 0.0 | 14-53-33 | | | | | Same as above |
| 43 | -43 | | | | | | | | | Same as above, few gravel, trace clay interbedded |
| 44 | -44 | SS-23 44.0-46.0 | 24/14 | 0.0 | 7-40-17 | | | | | Same as above, no clay, increase silt, trace gravel |
| 45 | -45 | | | | | | | | | Same as above, less gravel |
| 46 | -46 | SS-24 46.0-48.0 | 24/20 | 0.0 | 7-61-49 | | | | | Same as above |
| 47 | -47 | | | | | | | | | |
| 48 | -48 | | | | | | | | | |

Well: HMW-28D
Elev.:



Grout
2" Sch. 40 PVC riser



& associates, inc.

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

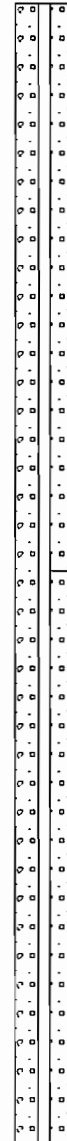
Date Started : 08/30/01
Date Completed : 08/30/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 96.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING MW-28D

(Page 4 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 48 | -48 | SS-25 48.0-50.0 | 24/18 | 0.0 | 6-65-50 | | | | | Same as above |
| 49 | -49 | | | | | | | | | |
| 50 | -50 | SS-26 50.0-52.0 | 24/6 | 0.0 | 10-29-50 | | | | | Same as above |
| 51 | -51 | | | | | | | | | |
| 52 | -52 | SS-27 52.0-54.0 | 24/0 | 0.0 | 14-50 | | | | | Sample may have washed out |
| 53 | -53 | | | | | | | | | |
| 54 | -54 | SS-28 54.0-56.0 | 24/8 | 0.0 | 13-35-50 | | | | | Same as above |
| 55 | -55 | | | | | | | | | |
| 56 | -56 | SS-29 56.0-58.0 | 24/18 | 0.0 | 9-74-50 | | | | | Same as above |
| 57 | -57 | | | | | | | | | |
| 58 | -58 | SS-30 58.0-60.0 | 24/0 | 0.0 | 9-30-50 | | | | | Same as above, interbedded few silt (grey), sample may have washed out |
| 59 | -59 | | | | | | | | | |
| 60 | -60 | | 24/0 | | 1-28-44 | | | | | May have washed out sample |
| 61 | -61 | | | | | | | | | |
| 62 | -62 | SS 62.0-64.0 | 23/12 | 0.0 | 3-53-50 | | | | | Same as above |
| 63 | -63 | | | | | | | | | |
| 64 | -64 | | | | | | | | | |



Grout
2" Sch. 40 PVC riser

F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\MW-28D.BOR

11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/30/01
Date Completed : 08/30/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 96.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING MW-28D

(Page 5 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 64 | -64 | SS 64.0-66.0 | 22/18 | 0.0 | 7-74-50 | | | | | Same as above |
| 65 | -65 | | | | | | | | | |
| 66 | -66 | SS 66.0-68.0 | 23.5/16 | 0.0 | 8-71-50 | | | | | Same as above |
| 67 | -67 | | | | | | | | | |
| 68 | -68 | SS 68.0-70.0 | 22/20 | 0.0 | 9-66-50 | | | | | Same as above, increase silt |
| 69 | -69 | | | | | | | | | |
| 70 | -70 | SS 70.0-72.0 | 23/20 | 0.0 | 6-47-50 | | | | | Same as above |
| 71 | -71 | | | | | | | | | |
| 72 | -72 | SS 72.0-74.0 | 21/20 | 0.0 | 14-97-50 | | | | | Same as above |
| 73 | -73 | | | | | | | | | |
| 74 | -74 | SS 74.0-76.0 | 21/20 | 0.0 | 15-87-50 | | | | | Same as above |
| 75 | -75 | | | | | | | | | |
| 76 | -76 | SS 76.0-78.0 | 24/0 | 0.0 | 12-43-50 | | | | | No recovery |
| 77 | -77 | | | | | | | | | |
| 78 | -78 | SS 78.0-80.0 | 24/20 | 0.0 | 9-78-50 | | | | | Same as above, increase gravel, trace clay |
| 79 | -79 | | | | | | | | | |
| 80 | | | | | | | | | | |

Well: HMW-28D
Elev.:



Grout
2" Sch. 40 PVC riser

F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\MW-28D.BOR

11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

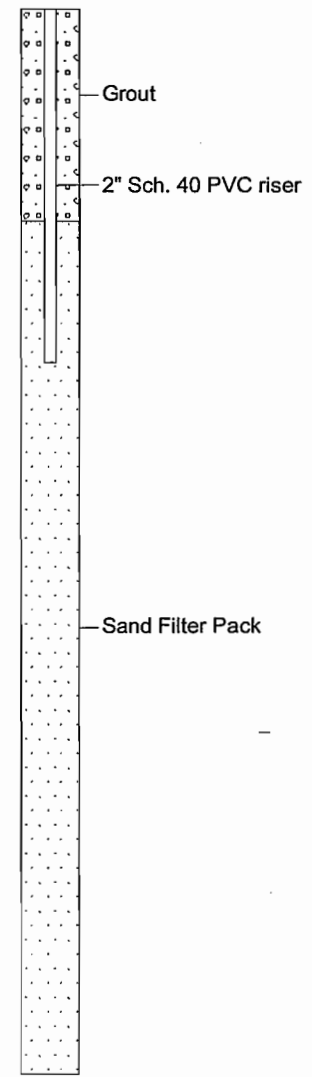
Date Started : 08/30/01
Date Completed : 08/30/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 96.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING MW-28D

(Page 6 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------------------------|-------------------------------|---|
| | | | | | | | | ☒ Sampled Int. ■ Lab Sample | ▼ Static ▽ During Drilling | |
| 80 | -80 | SS 80.0-82.0 | 22/22 | 0.0 | 7-52-50 | | | | | Same as above |
| 81 | -81 | | | | | | | | | |
| 82 | -82 | SS 82.0-84.0 | 17/16 | 0.0 | 6-55-50 | | | | | Same as above, large cobble in end of shoe |
| 83 | -83 | | | | | | | | | |
| 84 | -84 | SS 84.0-86.0 | 23/21 | 0.0 | 9-45-50 | | | | | Same as above, increase silt |
| 85 | -85 | | | | | | | | | |
| 86 | -86 | SS 86.0-87.0 | 12/12 | 0.0 | 7-79 | | | | | Same as above |
| 87 | -87 | | | | | | | | | Brown sandy CLAY at end of spoon, trace gravel, soft - interbedded |
| 88 | -88 | SS 88.0-90.0 | 15/5 | 0.0 | 9-60-50 | | | | | Same as above, large broken cobbles in spoon |
| 89 | -89 | | | | | | | | | |
| 90 | -90 | SS 90.0-92.0 | 15/15 | 0.0 | 7-83-50 | | | | | Same as above |
| 91 | -91 | | | | | | | | | |
| 92 | -92 | SS 92.0-94.0 | 15/15 | 0.0 | 29-36-50 | | | | | Same as above |
| 93 | -93 | | | | | | | | | |
| 94 | -94 | SS 94.0-96.0 | 16/16 | 0.0 | 12-35-50 | | | | | Same as above |
| 95 | -95 | | | | | | | | | |
| 96 | -96 | | | | | | | | | Brown clayey SAND, few gravel, trace large broken cobbles End of boring at 96.0' |



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11-30-2001

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 0 | 0 | | | | | | | | | | | <p>Well: HMW-29D Elev.:</p> <p>Surface Casing</p> <p>Bentonite Seal</p> <p>2" Sch. 40 PVC riser</p> <p>Grout</p> | |
| | | HA-1/ 0.0-2.0 | | 0.2 | | | | ☒ | | | | | Asphalt top 3" crushed limestone to 6" |
| 1 | -1 | | | | | | | | | | | | Brown clayey SAND, trace gravel, moist |
| 2 | -2 | HA-2/ 2.0-4.0 | | 0.4 | | | | | | | | | Brown medium to fine SAND, trace silt, trace gravel, moist |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/20 | 0.3 | 4-11-7 | | | | | | | | Same as above |
| 5 | -5 | | | | | | | | | | | | Same as above, 1" black stain, no odor |
| 6 | -6 | SS-4 6.0-8.0 | 24/18 | 0.6 | 3-9-8 | | | | | | | | Same as above |
| 7 | -7 | | | | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/20 | 0.2 | 2-10-6 | | | | | | | | Same as above |
| 9 | -9 | | | | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/16 | 0.4 | 5-23-14 | | | | | | | | Same as above |
| 11 | -11 | | | | | | | | | | | | Same as above, 4" increase gravel and trace clay seem at 11.5' |
| 12 | -12 | SS-7 12.0-14.0 | 24/20 | 0.6 | 4-17-17 | | | | | | | | Same as above, increase coarse sand less fine sand |
| 13 | -13 | | | | | | | | | | | | |
| 14 | -14 | | | | | | | | | | | | |



Date Started : 09/11/01
 Date Completed : 09/11/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : TopFlight
 Drilling Method : 4.25 ID HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 82.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-29D

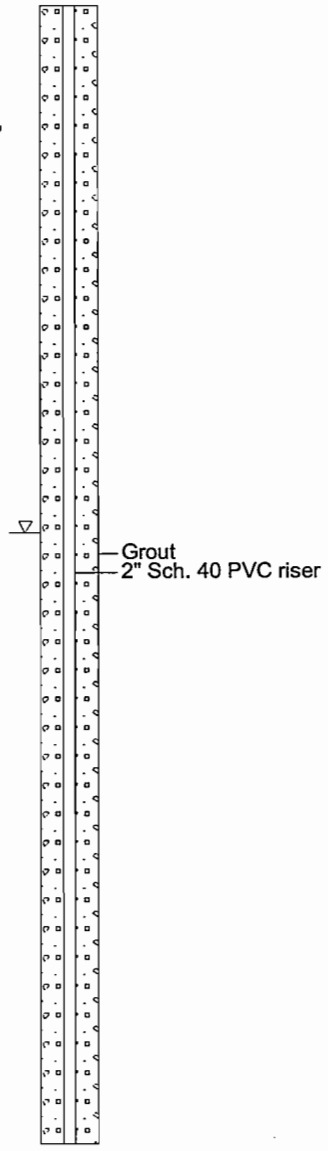
(Page 2 of 6)

South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-29D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|-------------|-------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 14 | -14 | SS-8 14.0-16.0 | 24/20 | 0.3 | 7-35-15 | | | | | | | | |
| 15 | -15 | | | | | | | | | | | | |
| 16 | -16 | SS-9 16.0-18.0 | 24/20 | 0.8 | 8-20-11 | | | | | | | | |
| 17 | -17 | | | | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/16 | 0.0 | 12-27-15 | | | | | | | | |
| 19 | -19 | | | | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/18 | 0.5 | 11-28-15 | | | | | | | | |
| 21 | -21 | | | | | | | | | | | | |
| 22 | -22 | | | | | | | | | | | | |
| 23 | -23 | | | | | | | | | | | | |
| 24 | -24 | | | | | | | | | | | | |
| 25 | -25 | SS-12 25.0-27.0 | 24/20 | 0.3 | 11-28-14 | | | | | | | | |
| 26 | -26 | | | | | | | | | | | | |
| 27 | -27 | | | | | | | | | | | | |
| 28 | -28 | | | | | | | | | | | | |



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11-30-2001



& associates, inc.

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

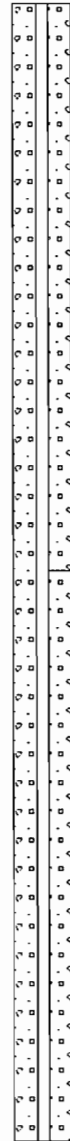
Date Started : 09/11/01
Date Completed : 09/11/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 82.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-29D

(Page 3 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-29D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|---|-------------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 28 | -28 | | | | | | | | | | | | |
| 30 | -30 | SS-13 30.0-32.0 | 24/20 | 96.3 | 11-31-24 | | | ☒ | | | | Same as above | |
| 32 | -32 | | | | | | | | | | | Brown silty CLAY, trace sand | |
| 33 | -33 | | | | | | | | | | | Black silty SAND, trace gravel, strong odor | |
| 35 | -35 | SS-14 35.0-37.0 | 24/14 | 191 | 9-29-24 | | | ☒ | | | | Same as above, strong odor | |
| 40 | -40 | SS-15 40.0-42.0 | 24/22 | 20.7 | 12-41-35 | | | ☒ | | | | Same as above | |
| 42 | -42 | | | | | | | | | | | | |



Grout
2" Sch. 40 PVC riser

F:\CLIENTS\SB\SB1002\SOIL BORING LOGS\HMW-29D.BOR
11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/11/01
Date Completed : 09/11/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 82.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-29D

(Page 4 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---|---|------------------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 42 | -42 | | | | | | | | | Well: HMW-29D Elev.: |
| 43 | -43 | | | | | | | | | Same as above, no staining / brown |
| 44 | -44 | | | | | | | | | |
| 45 | -45 | SS-16 45.0-47.0 | 34/16 | 0.0 | 23-51-35 | | | | | Same as above, few gravel |
| 46 | -46 | | | | | | | | | |
| 47 | -47 | | | | | | | | | Same as above, trace gravel, grey |
| 48 | -48 | | | | | | | | | |
| 49 | -49 | | | | | | | | | Same as above, trace gravel, grey |
| 50 | -50 | SS-17 50.0-52.0 | 24/12 | 20.8 | 8-36-35 | | | | | |
| 51 | -51 | | | | | | | | | No recovery |
| 52 | -52 | | | | | | | | | |
| 53 | -53 | | | | | | | | | No recovery |
| 54 | -54 | | | | | | | | | |
| 55 | -55 | | | | | | | | | No recovery |
| 56 | -56 | | | | | | | | | |



Grout
2" Sch. 40 PVC riser



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/11/01
Date Completed : 09/11/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 82.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-29D

(Page 5 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|---------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| 56 | -56 | | 24/0 | | 6-24-31 | | | | | | | |
| 57 | -57 | | | | | | | | | | | |
| 58 | -58 | | | | | | | | | | | |
| 59 | -59 | | | | | | | | | | | |
| 60 | -60 | | 24/0 | | 20-37-37 | | | | | | | No recovery |
| 61 | -61 | | | | | | | | | | | |
| 62 | -62 | | | | | | | | | | | |
| 63 | -63 | | | | | | | | | | | |
| 64 | -64 | | | | | | | | | | | |
| 65 | -65 | SS-18 65.0-67.0 | 21/18 | 35.2 | 8-41-50 | | | <input checked="" type="checkbox"/> | | | | Same as above |
| 66 | -66 | | | | | | | | | | | |
| 67 | -67 | | | | | | | | | | | |
| 68 | -68 | | | | | | | | | | | |
| 69 | -69 | | | | | | | | | | | |
| 70 | -70 | | | | | | | | | | | |

Well: HMW-29D
Elev.:



Grout
2" Sch. 40 PVC riser



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/11/01
Date Completed : 09/11/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 82.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-29D

(Page 6 of 6)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|----------------------|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | | |
| 70 | -70 | | 17/0 | | 11-27-20 | | | | | | | <p>Well: HMW-29D Elev.:</p> | |
| 71 | -71 | | | | | | | | | | No recovery | | |
| 72 | -72 | | | | | | | | | | | | |
| 73 | -73 | | | | | | | | | | | | |
| 74 | -74 | | | | | | | | | | | | |
| 75 | -75 | SS-19 75.0-77.0 | 17/17 | 16.3 | 11-30-100 | | | ☒ | | | | | Same as above, brown |
| 76 | -76 | | | | | | | | | | | | |
| 77 | -77 | | | | | | | | | | | | |
| 78 | -78 | | | | | | | | | | | | |
| 79 | -79 | | | | | | | | | | | | |
| 80 | -80 | | | | | | | | | | | Same as above | |
| 81 | -81 | SS-20 81.0-82.0 | 24/16 | 14.2 | | | | ☒ | | | | Brown silty CLAY, trace gravel, trace sand, 3" thick | |
| 82 | -82 | | | | | | | ☒ | | | | Brown SAND, trace gravel, trace sand | |
| 83 | -83 | | | | | | | | | | | End of boring at 82.0' | |
| 84 | -84 | | | | | | | | | | | | |

11-30-2001 F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-29D.BOR



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/12/01
Date Completed : 09/12/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : No Sampling
Total Depth (ft.) :
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-29I

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---------------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | Well: HMW-29I Elev.: |
| 1 | -1 | | | | | | | | See HMW-29D for geology | |
| 2 | -2 | | | | | | | | | |
| 3 | -3 | | | | | | | | | |
| 4 | -4 | | | | | | | | | |
| 5 | -5 | | | | | | | | | |
| 6 | -6 | | | | | | | | | |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | | | | | | | | | |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | | | | | | | | | |
| 11 | -11 | | | | | | | | | |
| 12 | -12 | | | | | | | | | |
| 13 | -13 | | | | | | | | | |
| 14 | -14 | | | | | | | | | |
| 15 | -15 | | | | | | | | | |
| 16 | -16 | | | | | | | | | |
| 17 | -17 | | | | | | | | | |
| 18 | -18 | | | | | | | | | |
| 19 | -19 | | | | | | | | | |
| 20 | -20 | | | | | | | | | |
| 21 | -21 | | | | | | | | | |
| 22 | -22 | | | | | | | | | |
| 23 | -23 | | | | | | | | | |
| 24 | -24 | | | | | | | | | |
| 25 | -25 | | | | | | | | | |
| 26 | -26 | | | | | | | | | |
| 27 | -27 | | | | | | | | | |
| 28 | -28 | | | | | | | | | |
| 29 | -29 | | | | | | | | | |
| 30 | -30 | | | | | | | | | |
| 31 | -31 | | | | | | | | | |
| 32 | -32 | | | | | | | | | |
| 33 | -33 | | | | | | | | | |
| 34 | -34 | | | | | | | | | |
| 35 | -35 | | | | | | | | | |
| 36 | -36 | | | | | | | | | |
| 37 | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/13/01
Date Completed : 09/13/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : No Sampling
Total Depth (ft.) :
S. Water Level Date :
S. Water Level (ft.) :

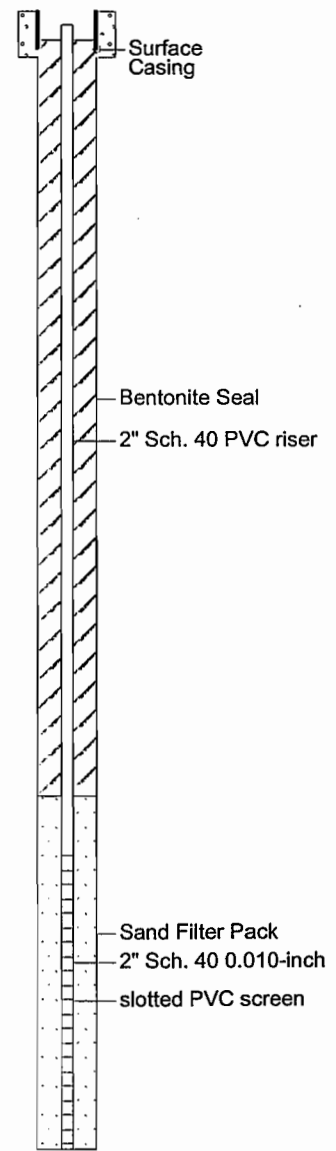
LOG OF BORING HMW-301

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-301 Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|-------------|-------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 0 | 0 | | | | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | | |
| 2 | -2 | | | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | | |
| 6 | -6 | | | | | | | | | | | | |
| 7 | -7 | | | | | | | | | | | | |
| 8 | -8 | | | | | | | | | | | | |
| 9 | -9 | | | | | | | | | | | | |
| 10 | -10 | | | | | | | | | | | | |
| 11 | -11 | | | | | | | | | | | | |
| 12 | -12 | | | | | | | | | | | | |
| 13 | -13 | | | | | | | | | | | | |
| 14 | -14 | | | | | | | | | | | | |
| 15 | -15 | | | | | | | | | | | | |
| 16 | -16 | | | | | | | | | | | | |
| 17 | -17 | | | | | | | | | | | | |
| 18 | -18 | | | | | | | | | | | | |
| 19 | -19 | | | | | | | | | | | | |
| 20 | -20 | | | | | | | | | | | | |
| 21 | -21 | | | | | | | | | | | | |
| 22 | -22 | | | | | | | | | | | | |
| 23 | -23 | | | | | | | | | | | | |
| 24 | -24 | | | | | | | | | | | | |
| 25 | -25 | | | | | | | | | | | | |
| 26 | -26 | | | | | | | | | | | | |
| 27 | -27 | | | | | | | | | | | | |
| 28 | -28 | | | | | | | | | | | | |
| 29 | -29 | | | | | | | | | | | | |
| 30 | -30 | | | | | | | | | | | | |
| 31 | -31 | | | | | | | | | | | | |
| 32 | -32 | | | | | | | | | | | | |
| 33 | -33 | | | | | | | | | | | | |
| 34 | -34 | | | | | | | | | | | | |
| 35 | -35 | | | | | | | | | | | | |
| 36 | -36 | | | | | | | | | | | | |
| 37 | -37 | | | | | | | | | | | | |
| 38 | -38 | | | | | | | | | | | | |
| 39 | -38 | | | | | | | | | | | | |

See HMW-30D for geology



Date Started : 09/05/01
 Date Completed : 09/05/01
 Logged by : Matt Young
 Reviewed by :
 Drilling Contractor : TopFlight
 Drilling Method : 4.25 ID HSA
 Sampling Method : Split Spoon
 Total Depth (ft.) : 70'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING HMW-30D

(Page 1 of 5)

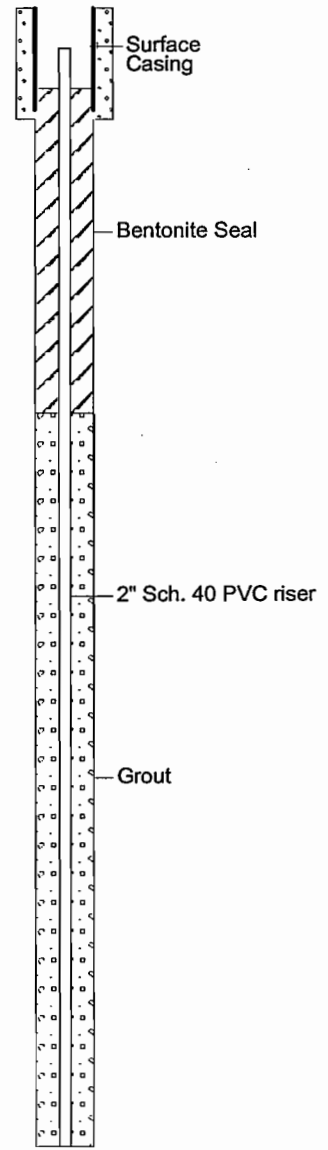
South Bend Area A
 Franklin & Sample
 South Bend, IN

SBI002

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 2020 / 100ppm Iso.
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 0 | 0 | | | 0.0 | | | | ☒ | | | | Asphalt top 3", crushed limestone to 6" |
| 1 | -1 | HA-1/ 0.0-2.0 | | | | | | | | | | Brown clayey SAND, trace gravel, moist |
| 2 | -2 | HA-2/ 2.0-4.0 | | 0.2 | | | | | | | | Same as above |
| 3 | -3 | | | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/24 | 0.7 | 4-11-4 | | | | | | | Brown fine to medium SAND, trace silt, trace gravel, moist |
| 5 | -5 | | | | | | | | | | | Same as above, trace clay interbedded |
| 6 | -6 | SS-4 6.0-8.0 | 24/20 | 0.8 | 4-10-4 | | | | | | | Same as above |
| 7 | -7 | | | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/18 | 1.6 | 3-4-3 | | | | | | | Same as above |
| 9 | -9 | | | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/18 | 1.0 | 2-4-2 | | | | | | | Same as above |
| 11 | -11 | | | | | | | | | | | Same as above, increase gravel |
| 12 | -12 | SS-7 12.0-14.0 | 24/10 | 0.9 | 4-6-4 | | | | | | | Same as above |
| 13 | -13 | | | | | | | | | | | |
| 14 | | | | | | | | | | | | |

Well: HMW-30D
 Elev.:





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

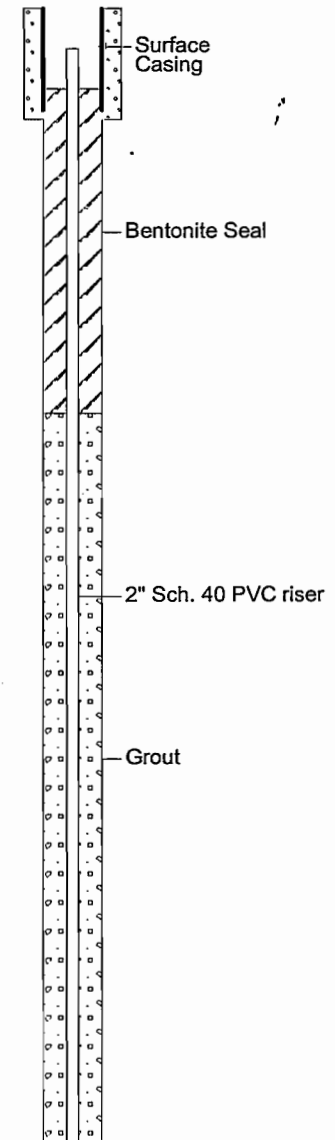
Date Started : 09/05/01
Date Completed : 09/05/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 70'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-30D

(Page 1 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During Drilling | |
| 0 | 0 | | | | | | | | | Asphalt top 3", crushed limestone to 6" |
| 1 | -1 | HA-1/ 0.0-2.0 | | 0.0 | | | | | | Brown clayey SAND, trace gravel, moist |
| 2 | -2 | HA-2/ 2.0-4.0 | | 0.2 | | | | | | Same as above |
| 3 | -3 | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/24 | 0.7 | 4-11-4 | | | | | Brown fine to medium SAND, trace silt, trace gravel, moist |
| 5 | -5 | | | | | | | | | Same as above, trace clay interbeded |
| 6 | -6 | SS-4 6.0-8.0 | 24/20 | 0.8 | 4-10-4 | | | | | Same as above |
| 7 | -7 | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/18 | 1.6 | 3-4-3 | | | | | Same as above |
| 9 | -9 | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/18 | 1.0 | 2-4-2 | | | | | Same as above |
| 11 | -11 | | | | | | | | | Same as above, increase gravel |
| 12 | -12 | SS-7 12.0-14.0 | 24/10 | 0.9 | 4-6-4 | | | | | Same as above |
| 13 | -13 | | | | | | | | | |
| 14 | | | | | | | | | | |



11-30-2001 F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\HMW-30D.BOR



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/05/01
Date Completed : 09/05/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 70'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-30D

(Page 2 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|---------------------------------|--|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| 14 | -14 | SS-8 14.0-16.0 | 24/20 | 0.0 | 5-16-11 | | | | | | | Same as above, no clay, decrease gravel |
| 15 | -15 | | | | | | | | | | | Same as above, increase in gravel, large broken cobble in spoon |
| 16 | -16 | SS-9 16.0-18.0 | 24/18 | 0.6 | 5-17-9 | | | | | | | Same as above |
| 17 | -17 | | | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/22 | 0.8 | 5-15-9 | | | | | | | Light brown medium to coarse SAND, trace gravel, trace silt, moist |
| 19 | -19 | | | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/22 | 1.0 | 7-18-11 | | | | | | | Same as above |
| 21 | -21 | | | | | | | | | | | Same as above, trace clay interbedded |
| 22 | -22 | SS-12 22.0-24.0 | 24/20 | 2.2 | 4-14-8 | | | | | | | Same as above, wet, no clay |
| 23 | -23 | | | | | | | | | | | |
| 24 | -24 | SS-13 24.0-26.0 | 24/18 | 2.1 | 2-15-15 | | | | | | | Same as above |
| 25 | -25 | | | | | | | | | | | |
| 26 | -26 | SS-14 26.0-28.0 | 24/18 | 2.0 | 4-16-9 | | | | | | | Same as above, trace clay interbedded, increase gravel |
| 27 | -27 | | | | | | | | | | | |
| 28 | -28 | | | | | | | | | | | |

Well: HMW-30D
Elev.:





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

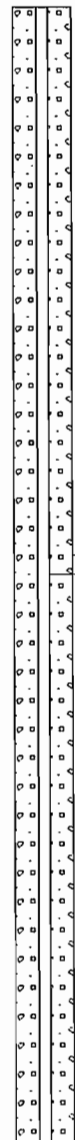
Date Started : 09/05/01
Date Completed : 09/05/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 70'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-30D

(Page 3 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-30D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|-------------|-------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 28 | -28 | SS-15 28.0-30.0 | 24/22 | 3.1 | 6-19-7 | | | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | | | |
| 29 | -29 | | | | | | | | | | | | |
| 30 | -30 | SS-16 30.0-32.0 | 24/20 | 2.3 | 7-19-11 | | | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | | | |
| 31 | -31 | | | | | | | | | | | | |
| 32 | -32 | SS-17 32.0-34.0 | 24/18 | 60.2 | 9-25-20 | | | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | | | |
| 33 | -33 | | | | | | | | | | | | |
| 34 | -34 | SS-18 34.0-36.0 | 24/24 | 1196 | 9-54-50 | | | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | | | |
| 35 | -35 | | | | | | | | | | | | |
| 36 | -36 | SS-19 36.0-38.0 | 24/23 | 1727 | 11-45-24 | | | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | | | |
| 37 | -37 | | | | | | | | | | | | |
| 38 | -38 | SS-20 38.0-40.0 | 24/22 | >2000 | 7-24-13 | | | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | | | |
| 39 | -39 | | | | | | | | | | | | |
| 40 | -40 | SS-21 40.0-42.0 | 10/10 | 544 | 9-50 | | | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | | | |
| 41 | -41 | | | | | | | | | | | | |
| 42 | -42 | | | | | | | | | | | | |



Grout
2" Sch. 40 PVC riser



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

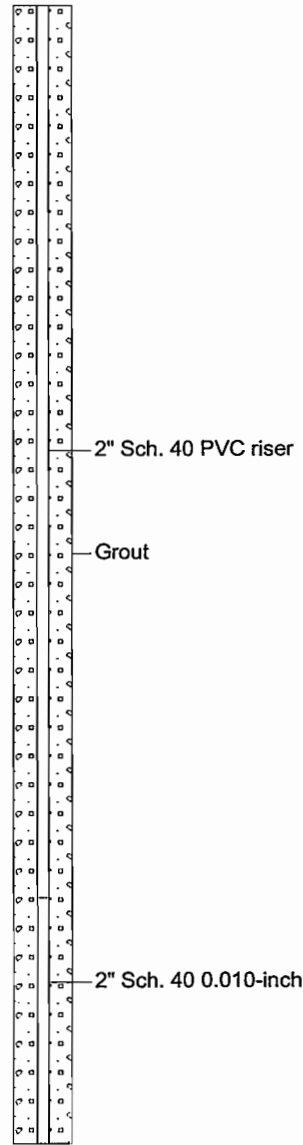
Date Started : 09/05/01
Date Completed : 09/05/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 70'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-30D

(Page 4 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-30D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|---|-------------|-------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | | |
| 42 | -42 | | 0/0 | | | | | | | | | | |
| 43 | -43 | | | | | | | | | | | | |
| 44 | -44 | SS-22 44.0-46.0 | 24/16 | 560 | 24-30-13 | | | | | | | | |
| 45 | -45 | | | | | | | | | | | | |
| 46 | -46 | SS-23 46.0-48.0 | 24/12 | 449 | 13-32-26 | | | | | | | | |
| 47 | -47 | | | | | | | | | | | | |
| 48 | -48 | SS-24 48.0-50.0 | 24/12 | 53 | 9-54-26 | | | | | | | | |
| 49 | -49 | | | | | | | | | | | | |
| 50 | -50 | SS-25 50.0-52.0 | 24/8 | 102 | 56-40-31 | | | | | | | | |
| 51 | -51 | | | | | | | | | | | | |
| 52 | -52 | | | | | | | | | | | | |
| 53 | -53 | | | | | | | | | | | | |
| 54 | -54 | | | | | | | | | | | | |
| 55 | -55 | | | | | | | | | | | | |
| 56 | -56 | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/05/01
Date Completed : 09/05/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 70'
S. Water Level Date :
S. Water Level (ft.) :

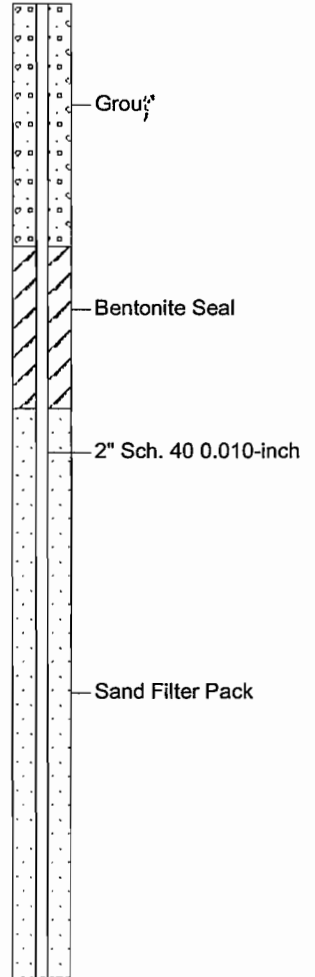
LOG OF BORING HMW-30D

(Page 5 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------------------------|-------------------------------|---|
| | | | | | | | | ☒ Sampled Int. ■ Lab Sample | ▼ Static ▽ During Drilling | |
| 56 | -56 | SS-26 56.0-58.0 | 16/14 | 102 | 104-36-50 | | | | | Same as above, no gravel |
| 57 | -57 | | | | | | | | | |
| 58 | -58 | SS-27 58.0-60.0 | 5/5 | 119 | | | | | | Same as above, trace gravel, increase silt |
| 59 | -59 | | | | | | | | | |
| 60 | -60 | SS-28 60.0-62.0 | 21/20 | 179 | 6-68-50 | | | | | Same as above |
| 61 | -61 | | | | | | | | | |
| 62 | -62 | SS-29 62.0-64.0 | 22/16 | 117 | 5-52-50 | | | | | Same as above |
| 63 | -63 | | | | | | | | | |
| 64 | -64 | SS-30 64.0-66.0 | 21/18 | 68.3 | 18-77-50 | | | | | Same as above |
| 65 | -65 | | | | | | | | | |
| 66 | -66 | SS-31 66.0-68.0 | 24/20 | 65.8 | 5-62-33 | | | | | Same as above |
| 67 | -67 | | | | | | | | | |
| 68 | -68 | SS-32 68.0-70.0 | 15/15 | 0.0 | 8-22-50 | | | | | Grey very dense silty CLAY, trace sand, trace gravel, dry |
| 69 | -69 | | | | | | | | | |
| 70 | | | | | | | | | | End of boring at 70.0' |

Well: HMW-30D
Elev.:





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/10/01
Date Completed : 09/10/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : No Sampling
Total Depth (ft.) :
S. Water Level Date :
S. Water Level (ft.) :

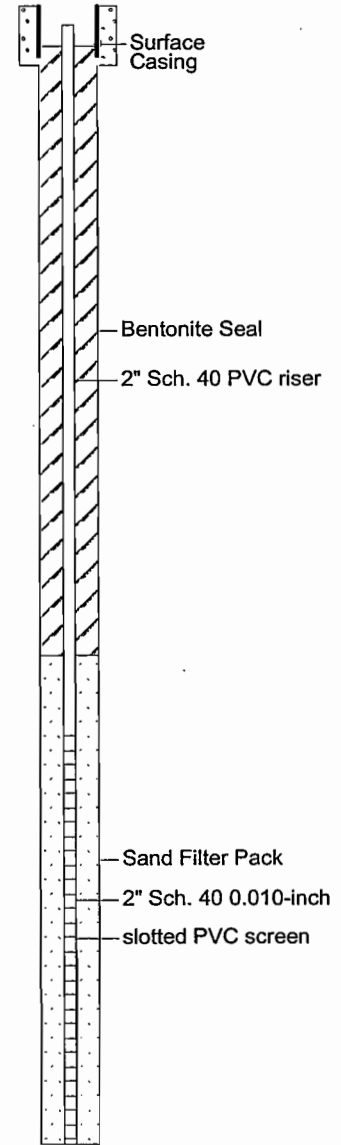
LOG OF BORING HMW-31S

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-31S Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|-------------|-------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 0 | 0 | | | | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | | |
| 2 | -2 | | | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | | |
| 6 | -6 | | | | | | | | | | | | |
| 7 | -7 | | | | | | | | | | | | |
| 8 | -8 | | | | | | | | | | | | |
| 9 | -9 | | | | | | | | | | | | |
| 10 | -10 | | | | | | | | | | | | |
| 11 | -11 | | | | | | | | | | | | |
| 12 | -12 | | | | | | | | | | | | |
| 13 | -13 | | | | | | | | | | | | |
| 14 | -14 | | | | | | | | | | | | |
| 15 | -15 | | | | | | | | | | | | |
| 16 | -16 | | | | | | | | | | | | |
| 17 | -17 | | | | | | | | | | | | |
| 18 | -18 | | | | | | | | | | | | |
| 19 | -19 | | | | | | | | | | | | |
| 20 | -20 | | | | | | | | | | | | |
| 21 | -21 | | | | | | | | | | | | |
| 22 | -22 | | | | | | | | | | | | |
| 23 | -23 | | | | | | | | | | | | |
| 24 | -24 | | | | | | | | | | | | |
| 25 | -25 | | | | | | | | | | | | |
| 26 | -26 | | | | | | | | | | | | |
| 27 | -27 | | | | | | | | | | | | |
| 28 | | | | | | | | | | | | | |

See HMW-31D for geology





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/10/01
Date Completed : 09/10/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : No Sampling
Total Depth (ft.) :
S. Water Level Date :
S. Water Level (ft.) :

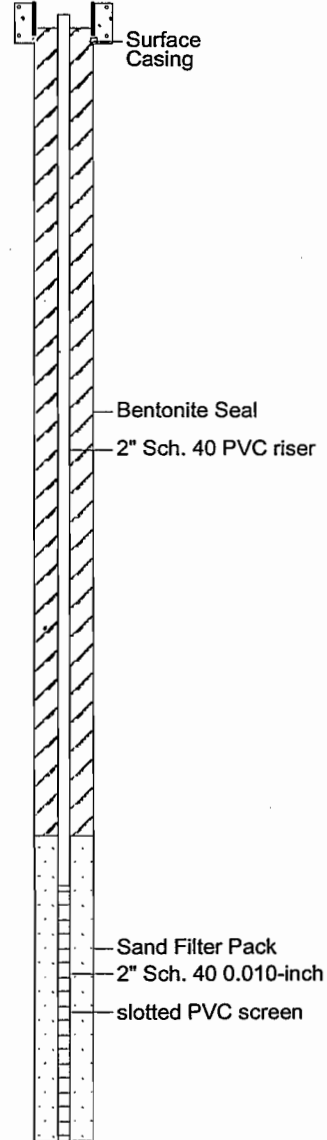
LOG OF BORING HMW-311

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-311 Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|-------------|-------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 0 | 0 | | | | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | | |
| 2 | -2 | | | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | | |
| 6 | -6 | | | | | | | | | | | | |
| 7 | -7 | | | | | | | | | | | | |
| 8 | -8 | | | | | | | | | | | | |
| 9 | -9 | | | | | | | | | | | | |
| 10 | -10 | | | | | | | | | | | | |
| 11 | -11 | | | | | | | | | | | | |
| 12 | -12 | | | | | | | | | | | | |
| 13 | -13 | | | | | | | | | | | | |
| 14 | -14 | | | | | | | | | | | | |
| 15 | -15 | | | | | | | | | | | | |
| 16 | -16 | | | | | | | | | | | | |
| 17 | -17 | | | | | | | | | | | | |
| 18 | -18 | | | | | | | | | | | | |
| 19 | -19 | | | | | | | | | | | | |
| 20 | -20 | | | | | | | | | | | | |
| 21 | -21 | | | | | | | | | | | | |
| 22 | -22 | | | | | | | | | | | | |
| 23 | -23 | | | | | | | | | | | | |
| 24 | -24 | | | | | | | | | | | | |
| 25 | -25 | | | | | | | | | | | | |
| 26 | -26 | | | | | | | | | | | | |
| 27 | -27 | | | | | | | | | | | | |
| 28 | -28 | | | | | | | | | | | | |
| 29 | -29 | | | | | | | | | | | | |
| 30 | -30 | | | | | | | | | | | | |
| 31 | -31 | | | | | | | | | | | | |
| 32 | -32 | | | | | | | | | | | | |
| 33 | -33 | | | | | | | | | | | | |
| 34 | -34 | | | | | | | | | | | | |
| 35 | -35 | | | | | | | | | | | | |
| 36 | -36 | | | | | | | | | | | | |
| 37 | -37 | | | | | | | | | | | | |
| 38 | -38 | | | | | | | | | | | | |
| 39 | -39 | | | | | | | | | | | | |
| 40 | -40 | | | | | | | | | | | | |
| 41 | -41 | | | | | | | | | | | | |
| 42 | -42 | | | | | | | | | | | | |
| 43 | -43 | | | | | | | | | | | | |
| 44 | -44 | | | | | | | | | | | | |
| 45 | -45 | | | | | | | | | | | | |

See HMW-31D for geology



F:\CLIENTS\BIBS\BIB002\SOIL BORING LOGS\HMW-311.BOR

11-30-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/10/01
Date Completed : 09/10/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : No Sampling
Total Depth (ft.) :
S. Water Level Date :
S. Water Level (ft.) :

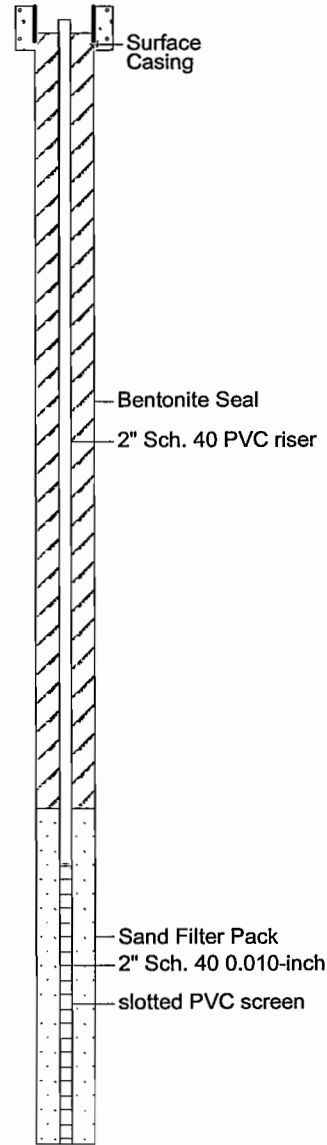
LOG OF BORING HMW-32I

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-32I Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|---------------------------------------|-------------------------------------|---------------------------------|--|-------------|-------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| 0 | 0 | | | | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | | |
| 2 | -2 | | | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | | |
| 6 | -6 | | | | | | | | | | | | |
| 7 | -7 | | | | | | | | | | | | |
| 8 | -8 | | | | | | | | | | | | |
| 9 | -9 | | | | | | | | | | | | |
| 10 | -10 | | | | | | | | | | | | |
| 11 | -11 | | | | | | | | | | | | |
| 12 | -12 | | | | | | | | | | | | |
| 13 | -13 | | | | | | | | | | | | |
| 14 | -14 | | | | | | | | | | | | |
| 15 | -15 | | | | | | | | | | | | |
| 16 | -16 | | | | | | | | | | | | |
| 17 | -17 | | | | | | | | | | | | |
| 18 | -18 | | | | | | | | | | | | |
| 19 | -19 | | | | | | | | | | | | |
| 20 | -20 | | | | | | | | | | | | |
| 21 | -21 | | | | | | | | | | | | |
| 22 | -22 | | | | | | | | | | | | |
| 23 | -23 | | | | | | | | | | | | |
| 24 | -24 | | | | | | | | | | | | |
| 25 | -25 | | | | | | | | | | | | |
| 26 | -26 | | | | | | | | | | | | |
| 27 | -27 | | | | | | | | | | | | |
| 28 | -28 | | | | | | | | | | | | |
| 29 | -29 | | | | | | | | | | | | |
| 30 | -30 | | | | | | | | | | | | |
| 31 | -31 | | | | | | | | | | | | |
| 32 | -32 | | | | | | | | | | | | |
| 33 | -33 | | | | | | | | | | | | |
| 34 | -34 | | | | | | | | | | | | |
| 35 | -35 | | | | | | | | | | | | |
| 36 | -36 | | | | | | | | | | | | |
| 37 | -37 | | | | | | | | | | | | |
| 38 | -38 | | | | | | | | | | | | |
| 39 | -39 | | | | | | | | | | | | |
| 40 | -40 | | | | | | | | | | | | |
| 41 | -41 | | | | | | | | | | | | |

See HMW-31D for geology





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/04/01
Date Completed : 09/04/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 62.0'
S. Water Level Date :
S. Water Level (ft.) :

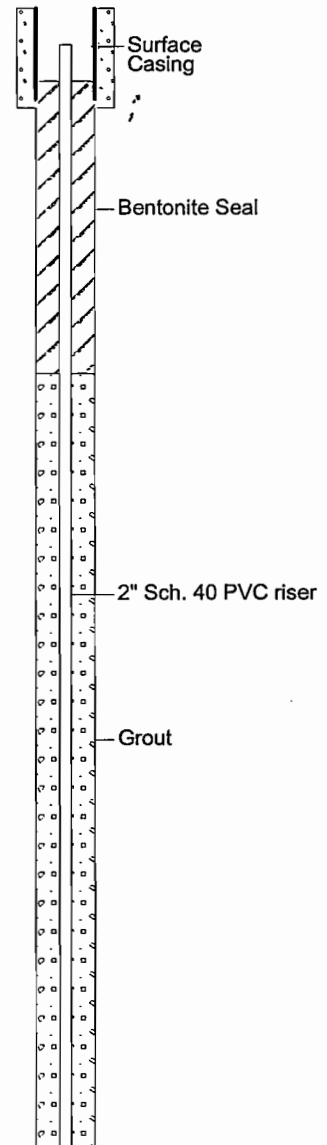
LOG OF BORING HMW-31D

(Page 1 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|---|--|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| 0 | 0 | HA-1/ 0.0-2.0 | | 0.0 | | | | | | | | Black sandy FILL, few clay, few gravel, crushed asphalt noted, moist |
| 1 | -1 | | | | | | | | | | | |
| 2 | -2 | HA-2/ 2.0-4.0 | | 0.0 | | | | | | | | Brown clayey SAND, trace gravel, moist |
| 3 | -3 | | | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/18 | 0.0 | 1-4-3 | | | | | | | Brown medium to coarse SAND, few clay, trace gravel, moist |
| 5 | -5 | | | | | | | | | | | |
| 6 | -6 | SS-4 6.0-8.0 | 24/16 | 0.0 | 3-11-7 | | | | | | | Light brown medium to coarse SAND, Trace silt, trace gravel, moist |
| 7 | -7 | | | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/14 | 0.0 | 3-8-6 | | | | | | | Same as above |
| 9 | -9 | | | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/16 | 0.0 | 3-5-2 | | | | | | | Same as above, trace clay interbeded |
| 11 | -11 | | | | | | | | | | | |
| 12 | -12 | SS-7 12.0-14.0 | 24/8 | 0.0 | 2-1-1 | | | | | | | Same as above, increase gravel |
| 13 | -13 | | | | | | | | | | | |
| 14 | -14 | SS-8 14.0-16.0 | 24/12 | 0.0 | 2-2-1 | | | | | | | Same as above, less gravel |
| 15 | -15 | | | | | | | | | | | |

Well: HMW-31D
Elev.:





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/04/01
Date Completed : 09/04/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 62.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-31D

(Page 2 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|---|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| 16 | -16 | SS-9 16.0-18.0 | 24/12 | 0.0 | 3-10-12 | | | | | | | |
| 17 | -17 | | | | | | | | | | | |
| 18 | -18 | SS-10 18.0-20.0 | 24/6 | 0.0 | 6-30-17 | | | | | | | Same as above, large cobble in end of shoe |
| 19 | -19 | | | | | | | | | | | |
| 20 | -20 | SS-11 20.0-22.0 | 24/16 | 0.0 | 6-22-14 | | | | | | | Same as above, large broken cobble noted in spoon |
| 21 | -21 | | | | | | | | | | | Same as above, no gravel |
| 22 | -22 | SS-12 22.0-23.0 | 24/18 | 0.0 | 7-21-12 | | | | | | | Same as above, trace gravel |
| 23 | -23 | SS-13 23.0-24.0 | | 0.0 | | | | | | | | Same as above, increase coarse sand, wet |
| 24 | -24 | | | | | | | | | | | Grout 2" Sch. 40 PVC riser |
| 25 | -25 | | | | | | | | | | | Sample washed out |
| 26 | -26 | | 24/0 | | 6-10-9 | | | | | | | |
| 27 | -27 | | | | | | | | | | | Begin 5' centers |
| 28 | -28 | | | | | | | | | | | |
| 29 | -29 | SS-14 29.0-31.0 | 24/18 | 0.0 | 6-18-17 | | | | | | | Same as above |
| 30 | -30 | | | | | | | | | | | |
| 31 | -31 | | | | | | | | | | | |

11-30-2001 F:\CLIENTS\SB\SB002\SOIL BORING LOGS\HMW-31D.BOR



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/04/01
Date Completed : 09/04/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 62.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-31D

(Page 3 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 32 | -32 | | | | | | | | | |
| 34 | -34 | SS-15 34.0-36.0 | 24/12 | 13.2 | 8-15-9 | | | | | Same as above, black staining, petro odor, increase gravel |
| 39 | -39 | SS-16 39.0-41.0 | 24/12 | 193 | 12-18-9 | | | | | Same as above, strong sweet odor, decrease gravel, black staining |
| 44 | -44 | SS-17 44.0-46.0 | 24/16 | 249 | 6-49-20 | | | | | Same as above, no staining, increase silt, strong odor |

Well: HMW-31D
Elev.:



Grout
2" Sch. 40 PVC riser



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/04/01
Date Completed : 09/04/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 62.0'
S. Water Level Date :
S. Water Level (ft.) :

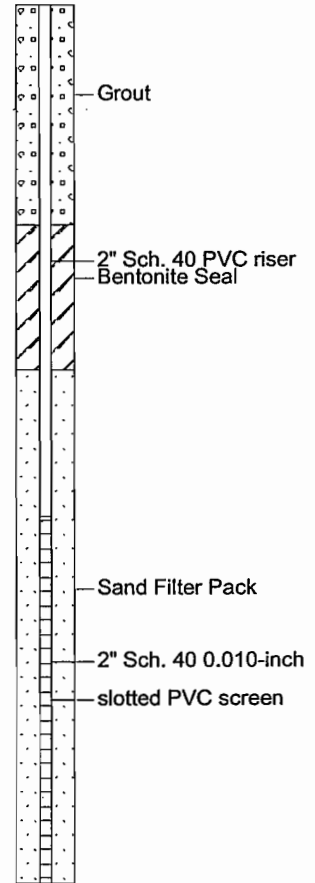
LOG OF BORING HMW-31D

(Page 4 of 4)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------------------------|-------------------------------|---|
| | | | | | | | | ☒ Sampled Int. ■ Lab Sample | ▼ Static ▽ During Drilling | |
| 48 | -48 | | | | | | | | | |
| 49 | -49 | SS-18 49.0-51.0 | 24/18 | 141 | 25-48-22 | ☒ | | | | Same as above, increase fine sand, no staining, strong odor |
| 50 | -50 | | | | | | | | | |
| 51 | -51 | | | | | ☒ | | | | Same as above, decrease fine sand, increase gravel, trace clay |
| 52 | -52 | | | | | | | | | |
| 53 | -53 | | | | | | | | | |
| 54 | -54 | SS-19 54.0-56.0 | 24/20 | 98 | 7-43-32 | ☒ | | | | Same as above |
| 55 | -55 | | | | | | | | | |
| 56 | -56 | | | | | | | | | |
| 57 | -57 | | | | | | | | | |
| 58 | -58 | | | | | | | | | |
| 59 | -59 | SS-20 59.0-61.0 | 24/17 | 84.5 | 7-27-50 | ☒ | | | | Same as above |
| 60 | -60 | | | | | | | | | |
| 61 | -61 | SS-21 61.0-62.0 | 24/17 | | 8-34-50 | ☒ | | | | Grey dense CLAY, trace gravel, trace sand, dry |
| 62 | -62 | | | | | | | | | End of boring at 62.0' |
| 63 | | | | | | | | | | |

Well: HMW-31D
Elev.:





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/06/01
Date Completed : 09/06/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 94.0'
S. Water Level Date :
S. Water Level (ft.) :

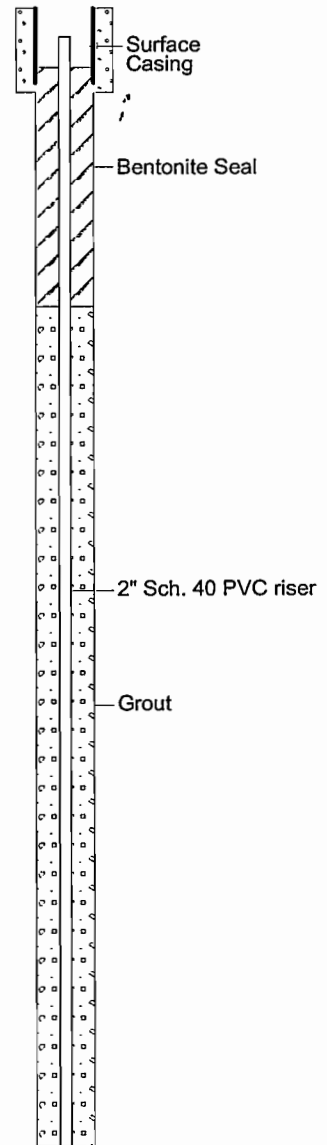
LOG OF BORING HMW-32D

(Page 1 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 0 | 0 | HA-1/ 0.0-2.0 | | 1.2 | | | | ☒ | | | | Asphalt to 3", crushed limestone to 6" |
| 1 | -1 | | | | | | | | | | | Brown medium to fine SAND, trace silt, trace gravel, dry |
| 2 | -2 | HA-2/ 2.0-4.0 | | 1.3 | | | | | | | | Same as above |
| 3 | -3 | | | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 23/20 | 2.0 | 10-44-50 | | | | | | | Brown clayey SAND, trace gravel, moist |
| 5 | -5 | | | | | | | | | | | |
| 6 | -6 | SS-4 6.0-8.0 | 24/22 | 1.1 | 7-23-14 | | | | | | | Same as above |
| 7 | -7 | | | | | | | | | | | |
| 8 | -8 | SS-5 8.0-10.0 | 24/18 | 0.7 | 13-25-21 | | | | | | | Same as above, brick fragment noted in middle of spoon |
| 9 | -9 | | | | | | | | | | | |
| 10 | -10 | SS-6 10.0-12.0 | 24/14 | 2.5 | 10-22-18 | | | | | | | Light brown medium to coarse SAND, trace gravel, trace silt, moist |
| 11 | -11 | | | | | | | | | | | |
| 12 | -12 | | 5/0 | | 50 | | | | | | | No recovery |
| 13 | -13 | | | | | | | | | | | |
| 14 | -14 | SS-7 14.0-16.0 | 24/14 | 2.4 | 10-31-32 | | | | | | | Same as above |
| 15 | -15 | | | | | | | | | | | |
| 16 | -16 | SS-8 16.0-18.0 | 24/12 | 0.7 | 10-27-17 | | | | | | | Same as above |
| 17 | -17 | | | | | | | | | | | |
| 18 | -18 | SS-9 18.0-20.0 | 24/20 | 3.1 | 6-18-12 | | | | | | | Same as above |
| 19 | | | | | | | | | | | | |

Well: HMW-32D
Elev.:





South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

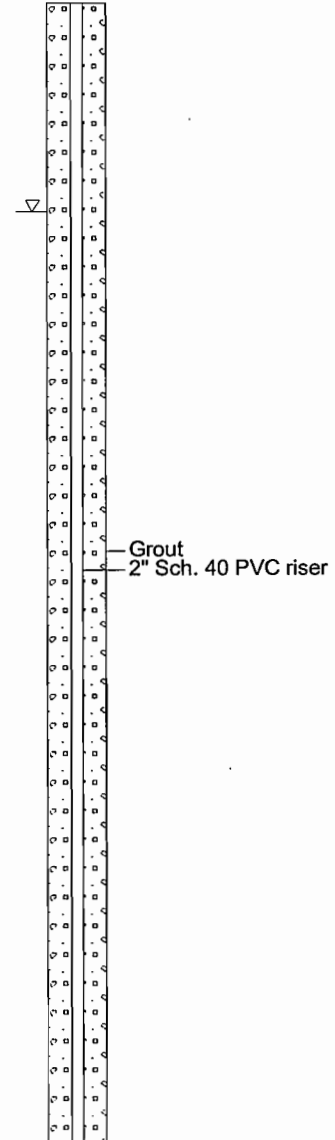
Date Started : 09/06/01
Date Completed : 09/06/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 94.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-32D

(Page 2 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION | Well: HMW-32D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|-------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | | |
| 19 | -19 | | | | | | | | | | |
| 20 | -20 | SS-10 20.0-22.0 | 24/16 | 3.4 | 9-26-22 | | | | | Same as above | |
| 21 | -21 | | | | | | | | | | |
| 22 | -22 | SS-11 22.0-24.0 | 24/12 | 1.9 | 6-35-23 | | | | | Same as above, few gravel, trace clay, wet | |
| 23 | -23 | | | | | | | | | | |
| 24 | -24 | SS-12 24.0-26.0 | 24/12 | 4.2 | 10-31-12 | | | | | Same as above | |
| 25 | -25 | | | | | | | | | | |
| 26 | -26 | SS-13 26.0-28.0 | 24/12 | 5.4 | 12-25-8 | | | | | Same as above | |
| 27 | -27 | | | | | | | | | | |
| 28 | -28 | SS-14 28.0-30.0 | 24/18 | 5.8 | 11-34-23 | | | | | Same as above | |
| 29 | -29 | | | | | | | | | | |
| 30 | -30 | SS-15 30.0-32.0 | 24/14 | 4.5 | 11-44-36 | | | | | Same as above, trace gravel, increase silt, no clay | |
| 31 | -31 | | | | | | | | | | |
| 32 | -32 | SS-16 32.0-34.0 | 24/16 | 3.1 | 7-18-13 | | | | | Same as above, decrease silt | |
| 33 | -33 | | | | | | | | | | |
| 34 | -34 | SS-17 34.0-36.0 | 24/14 | 8.9 | 5-29-98 | | | | | Same as above | |
| 35 | -35 | | | | | | | | | | |
| 36 | -36 | SS-18 36.0-38.0 | 24/18 | 1618 | 8-40-23 | | | | | Same as above | |
| 37 | -37 | | | | | | | | | Same as above, black staining, strong odor | |
| 38 | -38 | | | | | | | | | | |



12-03-2001 F:\CLIENTS\BIBI002\SOIL BORING LOGS\HMW-32D.BOR



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/06/01
Date Completed : 09/06/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 94.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-32D

(Page 3 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|------------------------------|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 38 | -38 | SS-19 38.0-40.0 | 24/12 | 1803 | 9-25-17 | | | | | Same as above |
| 39 | -39 | | | | | | | | | |
| 40 | -40 | SS-20 40.0-42.0 | 24/12 | 1940 | 11-31-29 | | | | | Same as above |
| 41 | -41 | | | | | | | | | |
| 42 | -42 | SS-21 42.0-44.0 | 24/12 | 553 | 7-33-26 | | | | | Same as above, grey staining |
| 43 | -43 | | | | | | | | | |
| 44 | -44 | SS-22 44.0-46.0 | 24/12 | 812 | 10-41-26 | | | | | Same as above |
| 45 | -45 | | | | | | | | | |
| 46 | -46 | SS-23 46.0-48.0 | 24/12 | 350 | 6-40-50 | | | | | Same as above |
| 47 | -47 | | | | | | | | | |
| 48 | -48 | SS-24 48.0-50.0 | 24/16 | 346 | 13-31-20 | | | | | Same as above |
| 49 | -49 | | | | | | | | | |
| 50 | -50 | SS-25 50.0-52.0 | 24/16 | 222 | 8-36-36 | | | | | Same as above |
| 51 | -51 | | | | | | | | | |
| 52 | -52 | SS-26 52.0-54.0 | 22/22 | 137 | 8-64-50 | | | | | Same as above |
| 53 | -53 | | | | | | | | | |
| 54 | -54 | SS-27 54.0-56.0 | 9/6 | 73.4 | 38-50 | | | | | Same as above, increase silt |
| 55 | -55 | | | | | | | | | |
| 56 | -56 | SS-28 56.0-58.0 | 18/10 | 140 | 11-33-65 | | | | | Same as above |
| 57 | | | | | | | | | | |

Well: HMW-32D
Elev.:



Grout
2" Sch. 40 PVC riser



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 09/06/01
Date Completed : 09/06/01
Logged by : Matt Young
Reviewed by :
Drilling Contractor : TopFlight
Drilling Method : 4.25 ID HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 94.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING HMW-32D

(Page 4 of 5)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

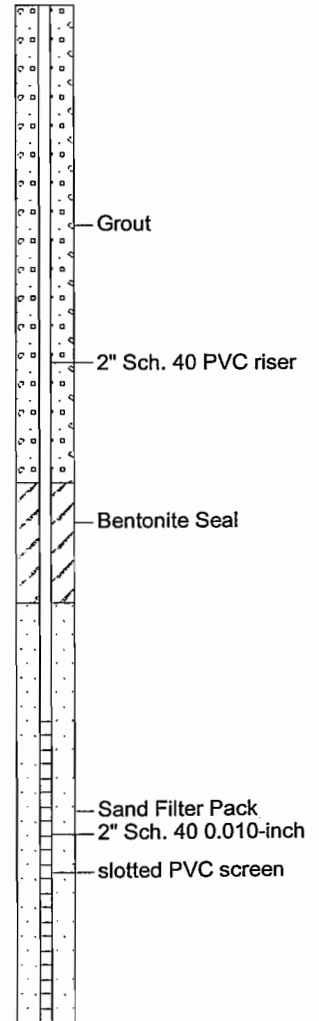
| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION | Well: HMW-32D Elev.: |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|--|---|---|-------------------------|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | | |
| 57 | -57 | | | | | | | | | | | | |
| 58 | -58 | SS-29 58.0-60.0 | 22/18 | 119 | 17-67-50 | | | | | | | Same as above | |
| 59 | -59 | | | | | | | | | | | | |
| 60 | -60 | SS-30 60.0-62.0 | 24/20 | 144 | 4-17-41 | | | | | | | Same as above | |
| 61 | -61 | | | | | | | | | | | | |
| 62 | -62 | SS-31 62.0-64.0 | 17/12 | 184 | 9-26-61 | | | | | | | Same as above, few silt | |
| 63 | -63 | | | | | | | | | | | | |
| 64 | -64 | | 17/0 | | 14-39-50 | | | | | | | No recovery | |
| 65 | -65 | | | | | | | | | | | | |
| 66 | -66 | SS-32 66.0-68.0 | 24/20 | 55.9 | 6-72-54 | | | | | | | Same as above | |
| 67 | -67 | | | | | | | | | | | Same as above, brown / no staining, trace clay | |
| 68 | -68 | SS-33 68.0-70.0 | 24/16 | 44.9 | 7-38-39 | | | | | | | Same as above, no clay | |
| 69 | -69 | | | | | | | | | | | | |
| 70 | -70 | SS-34 70.0-72.0 | 24/18 | 65.3 | 4-18-41 | | | | | | | Same as above | |
| 71 | -71 | | | | | | | | | | | | |
| 72 | -72 | SS-35 72.0-74.0 | 21/21 | 84.9 | 12-91-50 | | | | | | | Same as above | |
| 73 | -73 | | | | | | | | | | | | |
| 74 | -74 | SS-36 74.0-76.0 | 23/19 | 69.7 | 19-72-50 | | | | | | | Same as above | |
| 75 | -75 | | | | | | | | | | | | |
| 76 | -76 | | | | | | | | | | | | |



Grout
2" Sch. 40 PVC riser

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | Water Levels | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|---|---|
| | | | | | | | | <input type="checkbox"/> Sampled Int. <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static <input type="checkbox"/> During Drilling | |
| 76 | -76 | SS-37 76.0-78.0 | 21/18 | 45.7 | 19-96-50 | | | | | Same as above |
| 77 | -77 | | | | | | | | | |
| 78 | -78 | SS-38 78.0-80.0 | 22/18 | 29.9 | 12-62-50 | | | | | Same as above |
| 79 | -79 | | | | | | | | | Brown SILT, wet |
| 80 | -80 | | 21/0 | | 13-53-50 | | | | | No recovery, most likely sand that washed out |
| 81 | -81 | | | | | | | | | |
| 82 | -82 | SS-39 82.0-84.0 | 22/22 | 33.7 | 4-30-50 | | | | | Brown silty SAND, trace gravel, wet |
| 83 | -83 | | | | | | | | | |
| 84 | -84 | SS-40 84.0-86.0 | 16/15 | 21.5 | 15-16-50 | | | | | Same as above |
| 85 | -85 | | | | | | | | | Grey SILT, moist |
| 86 | -86 | SS-41 86.0-88.0 | 24/10 | 12.9 | 1-22-22 | | | | | Grey silty SAND, trace gravel wet |
| 87 | -87 | | | | | | | | | |
| 88 | -88 | SS-42 88.0-90.0 | 24/24 | 12.1 | 14-58-48 | | | | | Same as above |
| 89 | -89 | | | | | | | | | |
| 90 | -90 | SS-43 90.0-92.0 | 22/14 | 11.4 | 6-58-50 | | | | | |
| 91 | -91 | | | | | | | | | |
| 92 | -92 | SS-44 92.0-94.0 | 24/12 | 12.6 | 13-56-50 | | | | | Grey sandy SILT, dense / stiff, trace gravel, wet |
| 93 | -93 | | | | | | | | | |
| 94 | -94 | | | | | | | | | End of boring at 94.0' |
| 95 | -95 | | | | | | | | | |

Well: HMW-32D
Elev.:



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/14/01
Date Completed : 08/14/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : 4.25 HSA
Sampling Method : Split Spoon
Total Depth (ft.) : 31.6'
S. Water Level Date :
S. Water Level (ft.) :

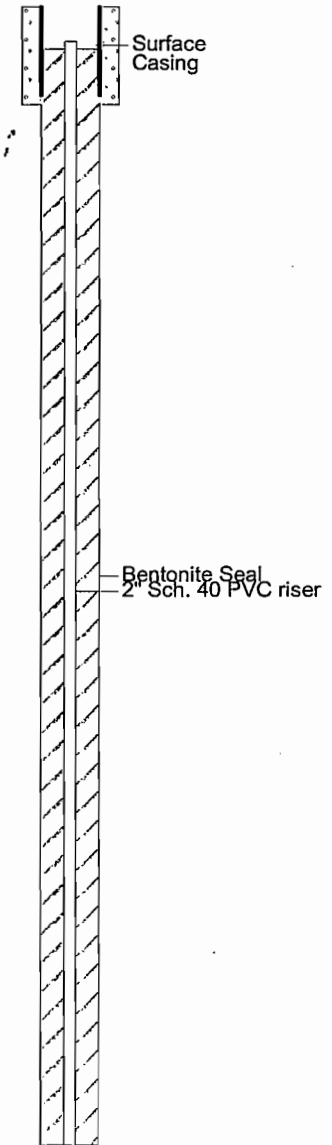
LOG OF BORING HMW-34S

(Page 1 of 2)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 2020 / 100ppm Iso.
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

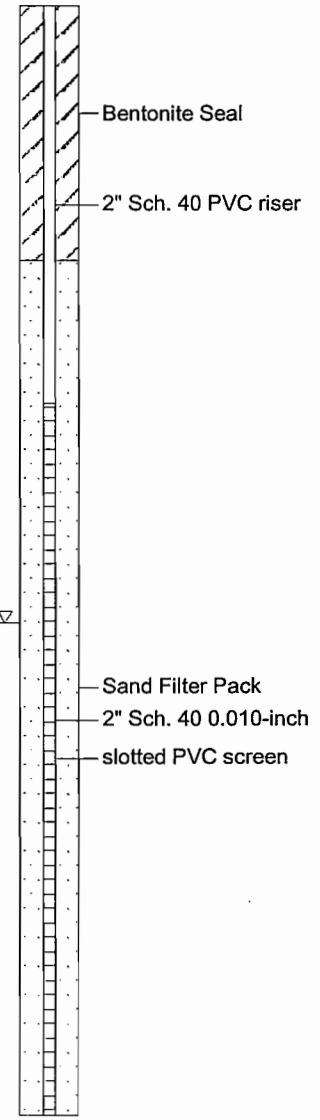
| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--|--|---------------------------------|--|---|
| | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input checked="" type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| 0 | 0 | HA-1/ 0.0-1.0 | | 0.6 | | | | | | | | Brown fine SAND, some gravel, moist |
| 1 | -1 | HA-2/ 1.0-2.0 | | 1.9 | | | | | | | | Same as above |
| 2 | -2 | HA-3/ 2.0-3.0 | | 3.0 | | | | | | | | Black fine SAND, some gravel, moist |
| 3 | -3 | HA-4/ 3.0-4.0 | | 4.6 | | | | | | | | Brown fine SAND, trace gravel, very moist |
| 4 | -4 | HA-5/ 4.0-5.0 | | 0.7 | | | | | | | | Same as above |
| 5 | -5 | SS-6 5.0-6.7 | 24/20 | 2.0 | 3-6-3 | | | | | | | Same as above |
| 6 | -6 | | | | | | | | | | | |
| 7 | -7 | SS-7 7.0-8.3 | 24/15 | 1.3 | 3-9-8 | | | | | | | Same as above |
| 8 | -8 | | | | | | | | | | | |
| 9 | -9 | SS-8 9.0-10.7 | 24/20 | 1.1 | 6-20-16 | | | | | | | Light brown coarse SAND, some gravel, moist |
| 10 | -10 | | | | | | | | | | | |
| 11 | -11 | SS-9 11.0-12.7 | 24/20 | 3.0 | 6-9-8 | | | | | | | Same as above, trace clay |
| 12 | -12 | | | | | | | | | | | |
| 13 | -13 | SS-10 13.0-14.3 | 24/15 | 1.9 | 5-8-10 | | | | | | | Light brown coarse SAND, some gravel, moist |
| 14 | -14 | | | | | | | | | | | |
| 15 | -15 | SS-11 15.0-16.7 | 24/20 | 0.6 | 7-17-14 | | | | | | | Same as above |
| 16 | -16 | | | | | | | | | | | |

Well: HMW-34S
Elev.:



| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Soil Samples | | Water Levels | | DESCRIPTION |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|----------------|--------------|--------------|-------------------|---|
| | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| 16 | -16 | | | | | | | | | | | |
| 17 | -17 | SS-12 17.0-18.3 | 24/15 | 2.0 | 6-16-11 | ☒ | | | | | | Light brown coarse SAND and GRAVEL, moist |
| 18 | -18 | | | | | ☒ | | | | | | |
| 19 | -19 | SS-13 19.0-21.0 | 24/24 | 2.5 | 6-14-6 | ☒ | | | | | | Same as above, very moist |
| 20 | -20 | | | | | ☒ | | | | | | |
| 21 | -21 | SS-14 21.0-22.3 | 24/15 | 3.0 | 5-16-15 | ☒ | | | | | | Same as above |
| 22 | -22 | | | | | ☒ | | | | | | |
| 23 | -23 | SS-15 23.0-24.7 | 24/20 | 3.5 | 8-17-8 | ☒ | | | | | | Same as above, saturated at 24.2' |
| 24 | -24 | | | | | ☒ | | | | | | |
| 25 | -25 | SS-16 25.0-26.3 | 24/15 | 3.1 | 3-4-3 | ☒ | | | | | | Same as above |
| 26 | -26 | | | | | ☒ | | | | | | |
| 27 | -27 | SS-17 27.0-27.4 | 24/5 | 2.0 | 4-8-5 | ☒ | | | | | | Same as above |
| 28 | -28 | | | | | ☒ | | | | | | |
| 29 | -29 | SS-18 29.0-30.3 | 24/15 | 1.5 | 3-7-5 | ☒ | | | | | | Same as above |
| 30 | -30 | | | | | ☒ | | | | | | |
| 31 | -31 | | | | | | | | | | | End of boring at 31.6' |
| 32 | | | | | | | | | | | | |

Well: HMW-34S
Elev.:



Hull

& associates, inc.

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/01/01
 Date Completed : 08/01/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : Hand Auger
 Drilling Method : Grab Sample
 Sampling Method : Grab Sample
 Total Depth (ft.) : 0.6"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING GS-2

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count. (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|----------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--------------|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Foundry SAND |
| 1 | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SB1002

Date Started : 08/01/01
 Date Completed : 08/01/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : Hand Auger
 Drilling Method : Grab Sample
 Sampling Method : Grab Sample
 Total Depth (ft.) : 0.6"
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING GS-3

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--------------|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Foundry SAND |
| 1 | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/09/01
Date Completed : 08/09/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 3.5
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-1

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | SS-1 0.0-1.0 | 24/12 | 5.1 | | | | | | | | | GRAVEL, some cinder fill from 0.8 to 1.0' |
| 1 | -1 | | | | | | | | | | | | |
| 2 | -2 | SS-2 2.0-3.5 | 24/18 | 5.1 | | | | | | | | | Brown coarse SAND, trace gravel, very moist |
| 3 | -3 | | | | | | | | | | | | End of boring at 3.5' |
| 4 | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/09/01
Date Completed : 08/09/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-2

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-0.8 | 24/20 | 7.9 | | | | | | | | | SAND and GRAVEL |
| | | SS-1 0.8-1.7 | | 6.3 | | | | | | | | | Cinder FILL Top 5" is slough |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-2 2.4-2.7 | 24/24 | 5.7 | | | | | | | | | Cinder FILL |
| | | SS-2 2.7-4.0 | | 3.8 | | | | | | | | | Brown coarse SAND, trace gravel, very moist |
| 3 | -3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | End of boring at 4.0' |
| 4 | | | | | | | | | | | | | |

F:\CLIENTS\SBI\SBI002\SOIL BORING LOGS\GB-2.BOR

11-28-2001



& associates, inc.

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-3

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|--------------------------------------|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-0.5 | 24/24 | 6.2 | | | | | | | | | SAND and GRAVEL |
| | | SS-1 0.5-2.0 | | 8.3 | | | | | | | | | Cinder FILL, trace gravel |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-2 2.0-2.7 | 24/24 | 5.6 | | | | | | | | | Silty SAND, some gravel, moist |
| | | SS-2 2.7-3.9 | | 5.2 | | | | | | | | | Brown SAND, trace gravel, very moist |
| 3 | -3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | End of boring at 4.0' |
| 4 | | | | | | | | | | | | | |

F:\CLIENTS\SB\SB002\SOIL BORING LOGS\GB-3.BOR

11-28-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 5.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-5

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--------------------------------------|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Concrete |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-1 1.5-3.0 | 24/18 | 8.8 | | | | | | | | | Dark brown SAND, trace gravel, moist |
| 2 | -2 | | | | | | | | | | | | |
| | | SS-2 3.5-5.0 | 24/18 | 9.7 | | | | | | | | | Same as above |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | | End of boring at 5.0' |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-8

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|--|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-1.3 | 24/24 | 7.8 | | | | | | | | | Sandy SILT, trace gravel, rootlets |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-2 1.3-2.0 | | 10.9 | | | | | | | | | Brown SAND, trace gravel, moist |
| 2 | -2 | | | | | | | | | | | | |
| | | SS-3 2.0-3.0 | 24/24 | 9.0 | | | | | | | | | Same as above |
| 3 | -3 | | | | | | | | | | | | |
| | | SS-4 3.0-4.0 | | 7.0 | | | | | | | | | Light brown SAND, trace gravel, very moist |
| 4 | | | | | | | | | | | | | End of boring at 4.0' |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/09/01
Date Completed : 08/09/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-9

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|---|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 - 0 | | SS-1 0.0-2.0 | 24/24 | 1.7 | | | | | | | | | Intermittent layers approx. 5" thick of SAND and GRAVEL and cinder fill. |
| 1 - 1 | | | | | | | | | | | | | |
| 2 - 2 | | SS-2 2.0-4.0 | 24/24 | 0.6 | | | | | | | | | Brown fine SAND with gravel, sand is lighter in color and more coarse in the bottom 2 inches (46-48") |
| 3 - 3 | | | | | | | | | | | | | |
| 4 - 4 | | | | | | | | | | | | | End of boring at 4.0' |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/09/01
Date Completed : 08/09/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-10

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-2.0 | 24/24 | 5.4 | | | | | | | | | SAND and GRAVEL, rootlets |
| 1 | -1 | | | | | | | | | | | | Dark brown SAND, some gravel intermittent layers of cinder fill approx. 0.5" thick |
| 2 | -2 | SS-2 2.0-4.0 | 24/24 | 2.2 | | | | | | | | | Dark brown SAND, trace gravel, very moist, sand becomes lighter in color with increasing depth |
| 3 | -3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | End of boring at 4.0' |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/10/01
Date Completed : 08/10/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 3.5'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-11

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|---------|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-1.5 | 24/18 | 3.6 | | | | | | | | | |
| | | | | | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 2 | -2 | SS-2 2.0-3.5 | 24/18 | 2.6 | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |

11-28-2001 F:\CLIENTS\SBISBI002\SOIL BORING LOGS\GB-11.BOR



& associates, inc.

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/09/01
 Date Completed : 08/09/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Geoprobe
 Sampling Method : Split Spoon
 Total Depth (ft.) : 3.7'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING GB-12

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-2.0 | 24/24 | 0.2 | | | | | | | | | Brown SAND, trace gravel, rootlets |
| | | | | | | | | | | | | | Cinder FILL |
| | | | | | | | | | | | | | Brown SAND, trace gravel |
| | | | | | | | | | | | | | Cinder FILL |
| 1 | -1 | | | | | | | | | | | | Brown coarse SAND, some gravel |
| | | | | | | | | | | | | | |
| 2 | -2 | SS-2 2.0-3.7 | 24/20 | 1.6 | | | | | | | | | Same as above |
| | | | | | | | | | | | | | Cinder FILL |
| | | | | | | | | | | | | | Dark brown fine SAND, trace gravel, very moist |
| | | | | | | | | | | | | | End of boring at 3.7' |
| 3 | -3 | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | |

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11-28-2001

Hull

& associates, inc.

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-13

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|--|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-1.0 | 24/24 | 4.2 | | | | | | | | | SAND and GRAVEL |
| | | | | | | | | | | | | | Wood fragments |
| | | | | | | | | | | | | | SAND and GRAVEL |
| 1 | -1 | SS-2 1.0-2.0 | | 7.2 | | | | | | | | | Black stained SAND with cinders, moist Top 3" is slough |
| 2 | -2 | SS-3 2.0-2.8 | 24/24 | 9.8 | | | | | | | | | Brick and cinder FILL |
| 3 | -3 | SS-4 3.0-4.0 | | 12.3 | | | | | | | | | Dark brown silty SAND, trace gravel, very moist |
| 4 | | | | | | | | | | | | | End of boring at 4.0' |

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11-28-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 5.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-14

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|--|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Concrete |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-1 1.5-3.0 | 24/18 | 5.6 | | | | | | | | | Silty SAND, trace clay, trace cinder, moist, dark brown |
| 2 | -2 | | | | | | | | | | | | |
| | | SS-2 3.5-4.8 | | 9.1 | | | | | | | | | Dark brown silty SAND, trace clay, moist, increasing sand content with depth |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | | End of boring at 5.0' |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/07/01
Date Completed : 08/07/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-15

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|-------------------------------------|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-1.0 | 24/24 | 2.5 | | | | | | | | | |
| 1 | -1 | SS-2 1.0-2.0 | | 3.9 | | | | | | | | | Cinder FILL |
| | | | | | | | | | | | | | Black sandy CLAY, slight petro odor |
| 2 | -2 | SS-3 2.0-2.7 | 24/24 | 10.3 | | | | | | | | | Same as above |
| | | | | | | | | | | | | | |
| | | SS-4 2.7-4.0 | | 11.9 | | | | | | | | | Brown SAND, trace gravel |
| 3 | -3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | End of boring at 4.0' |

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11-28-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/02/01
Date Completed : 08/02/01
Logged by : Mike Coonfare.
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-16

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|---|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Cinder FILL, some silt and sand, rootlets |
| | | SS-1 0.0-0.7 | 24/24 | 16.0 | | | | | | | | | |
| | | SS-2 0.8-2.0 | | 19.4 | | | | | | | | | Dark brown SAND, trace gravel, moist |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-3 2.0-3.0 | | 19.4 | | | | | | | | | Same as above |
| 2 | -2 | | | | | | | | | | | | |
| | | SS-4 3.0-4.0 | | 19.8 | | | | | | | | | Light brown SAND, trace gravel, moist |
| 3 | -3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | End of boring at 4.0' |
| 4 | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/07/01
Date Completed : 08/07/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-17

(Page 1 of 1)

G. Elev. (g. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-1.5 | 24/24 | 15.9 | | | | | | | | | Cinder FILL, trace gravel |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-2 1.5-2.0 | | 14.5 | | | | | | | | | Dark brown SAND, trace gravel, moist |
| 2 | -2 | | | | | | | | | | | | |
| | | SS-3 2.0-2.5 | 24/24 | 18.7 | | | | | | | | | Same as above |
| | | SS-4 2.5-4.0 | | 15.2 | | | | | | | | | Light brown fine SAND, trace gravel, moist |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | End of boring at 4.0' |

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11-28-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
 Date Completed : 08/08/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Geoprobe
 Sampling Method : Split Spoon
 Total Depth (ft.) : 4.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING GB-19

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|--|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-1.0 | 24/24 | 3.0 | | | | | | | | | Cinder FILL, trace gravel |
| 1 | -1 | SS-2 1.0-2.0 | | 1.1 | | | | | | | | | Sandy SILT, some clay, trace gravel, moist |
| 2 | -2 | SS-3 2.0-3.0 | 24/24 | 7.1 | | | | | | | | | Light brown SAND, trace gravel, moist |
| 3 | -3 | SS-4 3.0-4.0 | | 6.7 | | | | | | | | | Same as above |
| 4 | | | | | | | | | | | | | End of boring at 4.0' |

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11-28-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/07/01
Date Completed : 08/07/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 3.7'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-28

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|------------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-1.8 | 24/24 | 24.0 | | | | | | | | | Light brown fine SAND with gravel |
| | | | | | | | | | | | | | GRAVEL |
| | | | | | | | | | | | | | Brown fine SAND, some cinder fill from 1.0 to 1.2', trace clay |
| | | | | | | | | | | | | | GRAVEL |
| | | SS-2 1.8-2.0 SS-3 2.0-2.3 | 24/20 | 24.7 | | | | | | | | | Black stained SAND with gravel, no odor, trace clay Same as above |
| | | SS-4 2.3-3.7 | | 22.7 | | | | | | | | | Light brown fine SAND, some gravel, moist |
| | | | | | | | | | | | | | End of boring at 3.7' |
| 4 | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/07/01
Date Completed : 08/07/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 3.5'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-29

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-0.6 | 24/15 | 10.3 | | | | | | | | | Grey SAND and GRAVEL |
| | | SS-2 0.7-1.3 | | 8.1 | | | | | | | | | Black stained SAND, some clay, trace gravel, moist, slight petro odor |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-3 2.0-2.6 | 24/18 | 7.6 | | | | | | | | | Same as above |
| | | SS-4 2.6-3.5 | | 4.3 | | | | | | | | | Light brown fine SAND, some gravel, moist |
| 3 | -3 | | | | | | | | | | | | End of boring at 3.5' |
| 4 | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/07/01
Date Completed : 08/07/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 3.7'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-31

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS | |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | | |
| DESCRIPTION | | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Cinder FILL with wood fragments from 0.2 to 0.7 feet, creosote odor | |
| | | SS-1 0.0-1.3 | 24/24 | 9.5 | | | | | | | | | | Silty clay FILL, some sand, some gravel, moist |
| 1 | -1 | | | | | | | | | | | | | |
| | | SS-2 1.3-2.0 | | 2.8 | | | | | | | | | | Same as above |
| 2 | -2 | | | | | | | | | | | | End of boring at 3.7' | |
| | | SS-3 2.0-3.7 | 24/20 | 1.0 | | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 2.8'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-32

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Gravel and cinder FILL, wood fragments. |
| | | SS-1 0.0-1.3 | 24/24 | 7.4 | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | | Silty SAND, trace clay and gravel, saturated at 1.3 to 1.4' Top 1.3' is slough |
| | | SS-2 1.3-2.0 | | 4.1 | | | | | | | | | |
| 2 | -2 | | | | | | | | | | | | Brown SAND, trace gravel, moist |
| | | SS-3 2.0-2.8 | 24/24 | 3.5 | | | | | | | | | End of boring at 2.8' |
| 3 | | | | | | | | | | | | | |

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11-28-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/07/01
 Date Completed : 08/07/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Geoprobe
 Sampling Method : Split Spoon
 Total Depth (ft.) : 4.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING GB-33

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|--|-------------------------------------|--|---|--|
| | | | | | | | | | <input checked="" type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input checked="" type="checkbox"/> Static | <input checked="" type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | Brown SAND, trace gravel and cinder |
| | | SS-1 0.0-1.0 | 24/24 | 4.3 | | | | | | | | | |
| 1 | -1 | | | | | | | | | | | | Cinder FILL, trace gravel |
| | | SS-2 1.0-2.0 | | 4.5 | | | | | | | | | |
| 2 | -2 | | | | | | | | | | | | Sandy CLAY, trace cinder, moist |
| | | SS-3 2.0-2.8 | 24/24 | 0.3 | | | | | | | | | |
| 3 | -3 | | | | | | | | | | | | Brown SAND, trace cinder and gravel, slight staining (black) and petro odor |
| | | SS-4 2.8-4.0 | | 0.1 | | | | | | | | | |
| 4 | | | | | | | | | | | | | End of boring at 4.0' |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/07/01
 Date Completed : 08/07/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Geoprobe
 Sampling Method : Split Spoon
 Total Depth (ft.) : 2.0'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING GB-34

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 - 0 | | | | | | | | | | | | | Asphalt |
| | | SS-1 0.0-1.4 | 24/17 | 0.0 | | | | | | | | | Cinder FILL, some gravel, trace sand and silt, wood fragments from 1.3 to 1.4' (likely RR tie, creosote odor) |
| 1 - 1 | | | 24/24 | | | | | | | | | | Light brown SAND, trace gravel, moist |
| 2 | | | | | | | | | | | | | End of boring at 2.0' |

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11-28-2001



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/07/01
 Date Completed : 08/07/01
 Logged by : Mike Coonfare
 Reviewed by :
 Drilling Contractor : ProbeTech
 Drilling Method : Geoprobe
 Sampling Method : Split Spoon
 Total Depth (ft.) : 3.7'
 S. Water Level Date :
 S. Water Level (ft.) :

LOG OF BORING GB-35

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
 PID/FID Model : 0.0 (10.2 EV)
 PID/FID Calibration : 100ppm Isobutylene
 Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|------------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-1.5 | 24/24 | 6.4 | | | | | | | | | Silty SAND, some gravel, rootlets |
| | | | | | | | | | | | | | Black silty SAND, trace gravel, moist, slight petro odor |
| 1 | -1 | | | | | | | | | | | | |
| | | SS-2 1.5-2.0 | | 8.6 | | | | | | | | | Brown clayey SILT, trace sand and gravel |
| | | | | | | | | | | | | | Same as above |
| 2 | -2 | | | | | | | | | | | | |
| | | SS-3 2.2-2.5 SS-4 2.5-3.7 | 24/20 | 7.7 5.6 | | | | | | | | | Brown fine SAND, trace gravel, moist |
| | | | | | | | | | | | | | Light brown fine SAND, trace gravel, very moist |
| 3 | -3 | | | | | | | | | | | | |
| | | | | | | | | | | | | | End of boring at 3.7' |
| 4 | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN
SBI002

Date Started : 08/10/01
Date Completed : 08/10/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING GB-36

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | SS-1 0.0-2.0 | 24/24 | 3.2 | | | | | | | | | Silty SAND, trace gravel, trace clay, moist |
| 1 | -1 | | | | | | | | | | | | |
| 2 | -2 | SS-2 2.0-3.6 | 24/24 | 3.8 | | | | | | | | | Brown fine SAND, trace gravel, moist |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | Brown coarse SAND, trace gravel, moist End of boring at 4.0' |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/08/01
Date Completed : 08/08/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 17.7'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING SB-5

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|--|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | SS-1 0.0-1.5 | 24/24 | 4.7 | | | | | | | | | Brown silty SAND, trace gravel, rootlets |
| 1 | -1 | SS-2 1.5-2.0 | | 11.0 | | | | | | | | | |
| 2 | -2 | SS-3 2.0-2.3 | 24/24 | 7.6 | | | | | | | | | Brown SAND and GRAVEL Same as above |
| 3 | -3 | SS-4 2.3-4.0 | | 9.6 | | | | | | | | | Light brown SAND, trace gravel, moist |
| 4 | -4 | SS-5 4.0-5.3 | 24/15 | 7.7 | | | | | | | | | Same as above |
| 5 | -5 | | | | | | | | | | | | |
| 6 | -6 | SS-6 6.0-7.7 | 24/20 | 11.1 | | | | | | | | | Same as above, slightly more gravel |
| 7 | -7 | | | | | | | | | | | | |
| 8 | -8 | SS-7 8.0-9.7 | 24/20 | 9.5 | | | | | | | | | Same as above, less gravel |
| 9 | -9 | | | | | | | | | | | | |
| 10 | -10 | SS-8 10.0-11.7 | 24/20 | 9.3 | | | | | | | | | Light brown SAND, very moist |
| 11 | -11 | | | | | | | | | | | | |
| 12 | -12 | SS-9 12.0-13.7 | 24/20 | 9.0 | | | | | | | | | Light brown SAND, trace gravel, very moist |
| 13 | -13 | | | | | | | | | | | | |
| 14 | -14 | SS-10 14.0-15.7 | 24/20 | 8.0 | | | | | | | | | Same as above |
| 15 | -15 | | | | | | | | | | | | |
| 16 | -16 | SS-11 16.0-17.7 | 24/20 | | | | | | | | | | Same as above |
| 17 | -17 | | | | | | | | | | | | End of boring at 17.7' |
| 18 | | | | | | | | | | | | | |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 4.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING SB-7

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|---------------------------------------|-------------------------------------|---------------------------------|--|---|
| | | | | | | | | | <input type="checkbox"/> Sampled Int. | <input type="checkbox"/> Lab Sample | <input type="checkbox"/> Static | <input type="checkbox"/> During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | SS-1 0.0-2.0 | 24/24 | 2.8 | | | | | | | | | SAND and GRAVEL |
| 1 | -1 | | | | | | | | | | | | Cinder FILL |
| 2 | -2 | SS-2 2.0-4.0 | 24/24 | 2.9 | | | | | | | | | Light brown coarse SAND, trace gravel, moist Same as above |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | End of boring at 4.0' |



South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 6.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING SB-8

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | SAND and GRAVEL |
| | | SS-1 0.0-2.0 | 24/24 | 2.4 | | | | | | | | | Cinder FILL |
| 1 | -1 | | | | | | | | | | | | Clayey SAND, some gravel (fill), moist |
| | | SS-2 2.0-4.0 | 24/24 | 2.4 | | | | | | | | | Brown coarse SAND, trace gravel, moist, slight staining at 3.8' |
| 2 | -2 | | | | | | | | | | | | |
| | | SS-3 4.0-6.0 | 24/24 | 4.4 | | | | | | | | | Same as above, no staining |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | | | | | | | | | | | | |
| 5 | -5 | | | | | | | | | | | | |
| 6 | -6 | | | | | | | | | | | | End of boring at 6.0' |



& associates. inc.

South Bend Area A
Franklin & Sample
South Bend, IN

SBI002

Date Started : 08/15/01
Date Completed : 08/15/01
Logged by : Mike Coonfare
Reviewed by :
Drilling Contractor : ProbeTech
Drilling Method : Geoprobe
Sampling Method : Split Spoon
Total Depth (ft.) : 6.0'
S. Water Level Date :
S. Water Level (ft.) :

LOG OF BORING SB-9

(Page 1 of 1)

G. Elev. (ft. USGS) : Not Surveyed
PID/FID Model : 0.0 (10.2 EV)
PID/FID Calibration : 100ppm Isobutylene
Drum Label ID :

| Depth in Feet | Surf. Elev. | Sampler Type/ Sample Number | Sample Interval/ Sample Recovery | PID / FID (ppm) | Blow Count (6"-12"-6") | Soil Samples | Graphic Log | Water Levels | Soil Samples | | Water Levels | | REMARKS |
|---------------|-------------|--------------------------------|-------------------------------------|-----------------|---------------------------|--------------|-------------|--------------|----------------|--------------|--------------|-------------------|--|
| | | | | | | | | | ☒ Sampled Int. | ■ Lab Sample | ▼ Static | ▽ During Drilling | |
| DESCRIPTION | | | | | | | | | | | | | |
| 0 | 0 | | | | | | | | | | | | |
| | | SS-1 0.0-2.0 | 24/24 | 5.4 | | | | | | | | | Silty SAND, some gravel, rootlets, moist |
| | | | | | | | | | | | | | Cinder FILL |
| 1 | -1 | | | | | | | | | | | | Brown fine SAND, some gravel |
| 2 | -2 | SS-2 2.0-4.0 | 24/24 | 4.9 | | | | | | | | | Same as above, staining (black) from 3.6 to 3.8' |
| 3 | -3 | | | | | | | | | | | | |
| 4 | -4 | SS-3 4.0-6.0 | 24/24 | 4.3 | | | | | | | | | Brown coarse SAND, trace gravel, moist (appears natne) |
| 5 | -5 | | | | | | | | | | | | |
| 6 | -6 | | | | | | | | | | | | End of boring at 6.0' |

**REPORT FOR AN INITIAL PHASE II
ENVIRONMENTAL SITE ASSESSMENT**

FOR THE SOUTH BEND AREA A PROPERTIES

Located at:
**SOUTH OF SAMPLE STREET, EAST OF PRAIRIE AVENUE,
NORTH OF CONRAIL, AND WEST OF FRANKLIN STREET
SOUTH BEND, INDIANA**

Prepared for:
**THE CITY OF SOUTH BEND DEPARTMENT OF
COMMUNITY AND ECONOMIC DEVELOPMENT
1200 COUNTY-CITY BUILDING
SOUTH BEND, INDIANA 46601**

FEBRUARY 2002

VOLUME 2

Hull
& associates, inc.

APPENDIX B

Monitoring Well Development Field Data Sheets



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLOM, OHIO 44139
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
WELL DEVELOPMENT

DATE: 9-14-01
WELL I.D.: HMW-32D

CLIENT South Bend SITE LOCATION _____

SITE NO. _____ PROJECT NO. SB1001

TYPE OF WELL CONSTRUCTION 2" PVC

CONDITION OF WELL circle (GOOD) / POOR) if poor, specify New

DEPTH TO WATER 23.56 FEET TOTAL DEPTH (INITIAL) 92.58 FEET

FREE PRODUCT circle (YES / NO) DEPTH TO PRODUCT _____ FEET

SB1001:HMW32D:6091401:444

| PURGE DATA | | FIELD TESTING / WELL VOLUME | | | |
|---------------------------------------|---------------------|-----------------------------|---------------|------------|---------------------------|
| VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | DEVELOPMENT METHOD | TEMPERATURE C | pH AT 25 C | CONDUCTIVITY units AT 25C |
| N/A | INITIAL | Water Tube | 13.0 | 5.92 | 579 |
| 11.0 | 1 | " " | 13.6 | 6.64 | 344 |
| 22.0 | 2 | " " | 14.3 | 6.72 | 192.7 |
| 33.0 | 3 | " " | 14.3 | 6.78 | 186.0 |
| 44.0 | 4 | " " | 14.9 | 6.82 | 167.7 |
| 55.0 | 5 | " " | 15.1 | 6.81 | 154.8 |
| | 6 | | | | |
| | 7 | | | | |
| | 8 | | | | |

Time
Turbid 8:06
8:18
8:29
" " 8:42
Semi-clear 8:52
" " 8:59

RECOVERY: good

ONE WELL VOLUME EQUALS: 11.04 GALLONS

TOTAL DEPTH (FINAL): 92.78

COMMENTS: _____

VOLUME PER LINEAR FEET
2" - .16 gal. 8" - 2.61 gal.
4" - .65 gal. 12" - 5.89 gal.
6" - 1.47 gal.

INI/10005003



Hull & Associates, Inc.
 3401 Glendale Avenue
 Suite 300
 Toledo, Ohio 43614
 Telephone (419) 385-2018
 Fax (419) 385-5487

PROJECT _____

SHEET ___ OF ___

CALC. BY _____ DATE _____

CHECKED BY _____ DATE _____

Water
 11/11/00
 10:10 10 Initial

| Time | Volume Initial | STW | pH | Temp | Spec Cond | Turbid |
|-------|----------------|-------|-------------------------|------|-----------|-------------|
| 16:20 | 9.25 | 21.10 | 7.43 7.43 | 17.7 | 191.9 | Semi clear |
| 16:27 | 9.25 | 21.16 | 7.41 | 15.8 | 174.9 | Very turbid |
| 16:34 | 18.50 | 21.15 | 7.33 | 15.2 | 163.6 | Very turbid |
| 16:42 | 27.75 | 21.15 | 7.34 | 14.7 | 172.4 | Turbid |
| 14:56 | 37.00 | 21.15 | 7.33 | 15.0 | 182.1 | Turbid |
| 17:03 | 36.25 | | 7.29 | 14.9 | 174.5 | Semi clear |
| 17:15 | 35.5 | 21.12 | 7.33 | 14.4 | 169.2 | Clear |

Final Total Depth No. 9.9

9.06 Volume

No NAPL, strong odor, spotty/shoem
 Over cast 75°



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLON, OHIO 44139
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
WELL DEVELOPMENT

DATE: 9-14-01

WELL I.D. HMW-301

CLIENT South Bend SITE LOCATION Police Station

SITE NO. _____ PROJECT NO. SBI001

TYPE OF WELL CONSTRUCTION 2" PVC

CONDITION OF WELL circle (GOOD) / POOR) if poor, specify _____

DEPTH TO WATER 22.47 FEET TOTAL DEPTH (INITIAL) 38.68 FEET

FREE PRODUCT circle (YES / NO) DEPTH TO PRODUCT _____ FEET

SBI001: HMW301: 6041301:444

| PURGE DATA | | FIELD TESTING / WELL VOLUME | | | |
|--------------------------------------|---------------------|-----------------------------|---------------|------------|---------------------------|
| VOLUME PURGED (GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | DEVELOPMENT METHOD | TEMPERATURE C | pH AT 25 C | CONDUCTIVITY units AT 25C |
| N/A | INITIAL | balz | 16.6 | 8.54 | 152.3 |
| 2.75 | 1 | " | 16.4 | 7.25 | 173.3 |
| 5.5 | 2 | " | 16.7 | 6.52 | 178.3 |
| 8.25 | 3 | " " | 17.3 | 6.55 | 172.4 |
| 11.0 | 4 | " " | 17.3 | 6.55 | 170.3 |
| 13.75 | 5 | " " | 16.3 | 6.42 | 176.7 |
| | 6 | | | | |
| | 7 | | | | |
| | 8 | | | | |

bid. Time
FEAR 9:30
rbid 9:37
RUID 9:47
" 9:56
" 10:04
oody 10:15

DTI
22.4
22.2
22.1
22.1

RECOVERY: good

ONE WELL VOLUME EQUALS: 2.62 GALLONS

TOTAL DEPTH (FINAL): 38.74

COMMENTS: _____

VOLUME PER LINEAR FEET
2" - .16 gal. 8" - 2.61 gal.
4" - .65 gal. 12" - 5.89 gal.
6" - 1.47 gal.

INI/10005003

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

2257 1558

| Job Number | Developers | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Static Water Depth (ft TOC) ^b | Depth to NAPL ^b | Weather | at hrs. | at hrs. | Comments |
|------------|----------------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|--|----------------------------|-----------|---------|---------|----------|
| 9-6-01 | M. C. Matichel | 1603 | S-Head | | 7.5 | 22.51 | 7.40 | 18.6 | 1034 | very turbid | | | 80° Sunny | | | |
| 9-6-01 | | 1608 | WATER | | 7.5 | 22.51 | 7.12 | 14.7 | 959 | very turbid | | | | | | |
| 9-6-01 | | 1615 | WATER | | 15.0 | 22.51 | 7.37 | 14.7 | 970 | " | | | | | | |
| 9-6-01 | | 1620 | WATER | | 22.5 | 22.51 | 7.32 | 14.3 | 976 | very turbid | | | | | | |
| 9-6-01 | | 1629 | WATER | | 30.0 | 22.51 | 7.30 | 14.5 | 965 | very turbid | | | | | | |
| 9-6-01 | | 1635 | WATER | | 37.5 | 22.51 | 7.29 | 14.8 | 943 | | | | | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

well vol = 7.3 gal.

| Time | Development method | Volume | Time | Time | Cloudy |
|-------|-----------------------|-----------|-------|------|--------|
| 16:30 | purged INITIAL | | 7.25 | 16.1 | 165.7 |
| 16:41 | BALE | 2.50 GAL. | 7.29 | 14.8 | 161.8 |
| 16:54 | BALE | 5.0 | 21.04 | 14.6 | 174.3 |
| 17:00 | BALE | 7.5 | 21.00 | 14.6 | 173.5 |
| 17:09 | " | 10.0 | 7.25 | 14.4 | 175.7 |
| 17:22 | " | 12.5 | 7.28 | 14.3 | 174.9 |

21.00
 3.00
 4.00
 21.00

Initial DTB: 20.97
 Initial DTB: 36.69
 Final DTB

11/11/11
 29.1

8.0/ well
Volume

2261 1625

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number | Site: | Developers | Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|------------|---------|---------------------|--------|-------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| | SBI 003 | S. Heath / M. Young | 9-4-01 | 16:55 | Water | | 8.0 | 22.61 | 7.53 | 15.6 | 881 | 51-clear | |
| | | | | 17:10 | | | 16.0 | 25.90 | 7.42 | 14.5 | 853 | Heavy turbid | |
| | | | | 17:25 | | | 24.0 | 29.05 | 7.28 | 13.1 | 982 | " | |
| | | | | 17:35 | | | 32.0 | 32.10 | 7.50 | 14.3 | 987 | " | |
| | | | | 17:45 | | | 32.0 | 29.0 | 7.48 | 13.5 | 891 | " | |
| | | | | 17:53 | | | 40.0 | 23.65 | 7.52 | 13.1 | 1099 | " | |
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Well No. and Type: HMW-8 D
 Initial Total Depth (ft TOC): 71.00
 Final Total Depth (ft TOC): 71.45
 Static Water Depth (ft TOC): at hrs.
 Depth to NAPL^b at hrs.
 Weather: 80° Sunny

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

24.30

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DIV ^e (MWD) | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|---|-------|----------------------------|--------------|----------------------------|------------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Job Number 533E007 Site: Area A Developers M. Charchol Well No. and Type: HW-85 Initial Total Depth (ft TOC): 24.30 Final Total Depth (ft TOC): 24.30 Static Water Depth (ft TOC): at hrs. at hrs. Depth to NAPL: N/A Weather: 80's Sunny | | | | | | | | | | |
| 9-4-01 | 17:10 | sk sk baller | | initial | 22.42 | 7.37 | 13.6 | 879 | clear | |
| | 17:12 | | | .3 | 22.50 | 7.29 | 13.6 | 879 | sl. clear | |
| | 17:14 | | | .6 | 22.49 | 7.22 | 13.5 | 895 | turbid | |
| | 17:16 | | | .9 | | 7.22 | 13.3 | 912 | very turbid | |
| | 17:18 | | | 1.2 | | 7.21 | 13.2 | 906 | very turbid | |
| | 17:20 | | | 1.5 | 22.49 | 7.24 | 13.1 | 900 | very turbid | |
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IMHOFF CONE TEST
 Start Time: _____
 Volume Water: _____
 End Time: _____
 Volume Sediment: _____

a. Top of casing
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

Volume 77.50 TD

sheet of 1

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number 515002 | | Well No. and Type: MW-10 | | | Static Water Depth (ft TOC): at hrs. | | | | | |
|------------------------|-------|-------------------------------------|--------------|----------------------------|--------------------------------------|-----------------|--------------------|--------------------------|-------------|----------|
| Site: Area A | | Initial Total Depth (ft TOC): 77.50 | | | Depth to NAPL ^b at hrs. | | | | | |
| Developers: M. Charcho | | Final Total Depth (ft TOC): 81.00 | | | Weather: 77.50 | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ⁱ | Temp. ^g | Spec. Cond. ^h | Turbidity | Comments |
| 9-4-01 | 15:50 | Water | | Initial | 22.12 | 7.28 | 17.3 | 734 | Very turbid | |
| | 16:00 | | | 9.0 | 51.50 | 7.20 | 13.6 | 801 | Very turbid | |
| | 16:10 | | | 18.0 | 64.75 | 7.80 | 15.0 | 812 | Very turbid | |
| | 16:25 | | | 27.0 | 54.02 | 7.55 | 15.5 | 782 | very turbid | |
| | 16:35 | | | 36.0 | 63.30 | 7.56 | 14.0 | 768 | Very turbid | |
| | 14:50 | | | 45.0 | 84.80 | 7.54 | 14.3 | 745 | Very turbid | |
| | | | | (414) | | | | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number 271007 Site: Area A Developers: S. Heath | | Well No. and Type: MW-15 | | Static Water Depth (ft TOC*): _____ at _____ hrs. | | Depth to NAPL ^b Weather: | | Temp. ^g | | Spec. Cond. ^h | | Turbidity ⁱ | | Comments | | | |
|---|-------|--------------------------|--------------|---|------------------|--|--------------------|--------------------------|------------------------|--------------------------|----------------------------|------------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-4-01 | 15:45 | St. Steel Water | | Initial | 23.10 | 7.11 | 17.8 | 980 | Clear | | | | | | | | |
| | 15:46 | | | .2 | | 6.99 | 16.0 | 980 | Sl. Clear | | | | | | | | |
| | 15:48 | | | .4 | 23.10 | 6.99 | 14.9 | 1016 | Sl. Clear | | | | | | | | |
| | 15:50 | | | .6 | | 7.04 | 15.0 | 999 | Sl. Turbid | | | | | | | | |
| | 15:52 | | | .8 | | 6.95 | 14.8 | 985 | Sl. Clear | | | | | | | | |
| | 15:54 | | | 1.0 | 23.09 | 6.97 | 14.3 | 1004 | Sl. Clear | | | | | | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number 521002 Site: Area A Developers: S. Hest | | | Well No. and Type: MW-8D Initial Total Depth (ft TOC): 43.55 Final Total Depth (ft TOC): 44.35 | | | Static Water Depth (ft TOC): _____ at _____ hrs. Depth to NAPL ^b : N/A Weather: sunny 80°S | | | pH ⁱ | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--|-------|--------------|--|----------------------------|------------------|---|------------------|------|-----------------|--------------------|--------------------------|------------------------|----------|
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | DTW ^e | DTW ^e | | | | | | |
| 8-4-01 | 15:00 | Water | | Initial | 21.68 | 7.36 | 18.4 | 1079 | 51. turbid | | | | |
| | 15:05 | | | 4.0 | 21.65 | 7.36 | 13.4 | 1083 | | | | | |
| | 15:09 | | | 8.0 | 21.65 | 7.34 | 14.2 | 1113 | | | | | |
| | 15:13 | | | 12.0 | 21.65 | 7.30 | 13.4 | 943 | | | | | |
| | 15:17 | | | 16.0 | 21.65 | 7.30 | 13.0 | 1122 | | | | | |
| | 15:21 | | | 20.0 | 21.65 | 7.26 | 12.9 | 1131 | | | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing
b. NAPL - nonaqueous phase liquid.
c. Gallons per minute.
d. Cumulative gallons
e. Depth to water.
f. Standard units
g. °C, unless °F noted.
h. Specific conductance, umhos/cm (or µS/cm).
i. Visual unless otherwise noted.

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number <u>5B1002</u> | | Well No. and Type: <u>M/W-85</u> | | | Static Water Depth (ft TOC): | | at hrs. | | | |
|--------------------------------|--------------|--|--------------|----------------------------|------------------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: <u>Area A</u> | | Initial Total Depth (ft TOC): <u>23.60</u> | | Depth to NAPL: <u>N/A</u> | | at hrs. | | | | |
| Developers: <u>M. Charchol</u> | | Final Total Depth (ft TOC): <u>23.60</u> | | Weather: <u>Sunny 80's</u> | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| <u>9-4-01</u> | <u>15:00</u> | <u>5X-522</u> | | <u>Initial</u> | <u>23.60</u> | <u>7.73</u> | <u>17.9</u> | <u>822</u> | <u>sl. turbid</u> | |
| ↓ | <u>15:02</u> | | | <u>.4</u> | <u>21.60</u> | <u>7.43</u> | <u>16.3</u> | <u>892</u> | <u>sl. Turbid</u> | |
| ↓ | <u>15:05</u> | | | <u>.8</u> | <u>21.65</u> | <u>7.44</u> | <u>15.4</u> | <u>850</u> | <u>sl. Turbid</u> | |
| ↓ | <u>15:08</u> | | | <u>1.2</u> | <u>21.65</u> | <u>7.41</u> | <u>14.0</u> | <u>912</u> | <u>sl. Turbid</u> | |
| ↓ | <u>15:12</u> | | | <u>1.6</u> | <u>21.65</u> | <u>7.35</u> | <u>13.3</u> | <u>916</u> | <u>11</u> | |
| ↓ | <u>15:15</u> | | | <u>2.0</u> | <u>21.65</u> | <u>7.36</u> | <u>13.0</u> | <u>951</u> | <u>11</u> | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing. f. Standard units. h. Specific conductance, umhos/cm (or µS/cm).

b. NAPL - nonaqueous phase liquid. g. °C, unless °F noted. i. Visual unless otherwise noted.

c. Gallons per minute. d. Cumulative gallons. e. Depth to water.

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

25.65 1149

| Job Number | Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments | Static Water Depth (ft TOC): | |
|------------|--------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|-------------------------------|-----------------------------|
| | | | | | | | | | | | | Initial Total Depth (ft TOC): | Final Total Depth (ft TOC): |
| SBI002 | 9-3-01 | 1155 | S.S. Carbon | | 0.75 | 25.65 | 7.70 | 18.7 | 843 | Brown silt | | at | hrs. |
| | | 1200 | | | 0.75 | 25.63 | 7.42 | 17.7 | 838 | " | | at | hrs. |
| | | 1205 | | | 1.50 | 25.65 | 7.55 | 17.3 | 873 | | | at | hrs. |
| | | 1208 | | | 0.75 | 25.65 | 7.39 | 17.5 | 838 | | | at | hrs. |
| | | 1214 | | | 3.0 | 25.64 | 7.36 | 15.5 | 909 | | | at | hrs. |
| | | 1217 | | | 3.75 | 25.65 | 7.35 | 15.4 | 891 | | | at | hrs. |
| | | | | | | | | | | | | at | hrs. |
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| | | | | | | | | | | | | at | hrs. |

Well No. and Type: HMW-145
 Initial Total Depth (ft TOC): 29.85
 Final Total Depth (ft TOC): 29.85
 Weather: 75° Sunny

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____
 Volume Sediment: _____

- a. Top of casing
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

1 well vol. = 0.68 gallons

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

2449 1057

| Job Number <u>SBF-00</u> | | Well No. and Type: <u>H MW-205</u> | | Static Water Depth (ft TOC ^a): | | at hrs. | | | | |
|--------------------------|-------|------------------------------------|--------------|--|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-4-01 | 11:00 | SS. Bailey | | initial | 24.49 | 6.90 | 22.3 | 726 | clear | |
| | 11:05 | | | 0.75 | 24.50 | 6.98 | 22.1 | 725 | transparency | |
| | 11:10 | | | 1.50 | 24.49 | 7.12 | 22.2 | 766 | " | |
| | 11:13 | | | 2.25 | 24.50 | 7.22 | 20.5 | 770 | " | |
| | 11:17 | | | 3.0 | 24.50 | 7.41 | 19.1 | 788 | " | |
| | 11:21 | | | 3.75 | 24.50 | 7.30 | 18.3 | 782 | " | |
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IMHOFF CONE TEST
 Start Time: _____

Volume Water: _____

End Time: _____

Volume Sediment: _____

- a. Top of casing
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

1 well volume = 0.53

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

(242) 1055

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|---------|-------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 8-30-01 | 11:00 | SS Filter | | undr | 24.29 | 6.77 | 20.9 | 1042 | Beamslit | |
| " | 11:05 | " | | 0.75 | 24.30 | 6.86 | 20.3 | 1048 | | |
| " | 11:09 | " | | 1.50 | 24.30 | 6.85 | 19.3 | 1038 | | |
| " | 11:15 | " | | 2.25 | 24.29 | 6.89 | 18.4 | 1087 | | |
| " | 11:20 | " | | 3.00 | 24.30 | 6.91 | 17.1 | 1095 | | |
| " | 11:25 | " | | 3.75 | 24.30 | 6.88 | 18.4 | 1070 | | |
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Job Number **S Blood**
 Site: **S. North**
 Well No. and Type: **HMW-105**
 Initial Total Depth (ft TOC): **28.15'**
 Final Total Depth (ft TOC): **28.15'**
 Static Water Depth (ft TOC): / at hrs.
 Depth to NAPL^b at hrs.
 Weather:

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless otherwise noted.
- h. Specific conductance, umhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

1 well vol. 0.63 gpd

25.13 9:06

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number SRT1002 | | Well No. and Type: HMW-16 | | Static Water Depth (ft TOC): | | Depth to NAPL ^b | | Weather: 65° Sunny | | at hrs. | |
|--------------------|--------------------|-------------------------------------|--------------|------------------------------|------------------|----------------------------|--------------------|--------------------------|------------------------|----------|--|
| Site: | | Initial Total Depth (ft TOC): 65.93 | | Temp. ^g | | Spec. Cond. ^h | | Turbidity ⁱ | | at hrs. | |
| Date | Developers S. Beth | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments | |
| 9-5-01 | 919 | Wettable permeable | | initial | 25.13 | 7.30 | 13.0 | 1089 | | | |
| | 926 | | | 6.75 | 25.15 | 7.26 | 12.8 | 1083 | | | |
| | 935 | | | 13.5 | 25.18 | 7.26 | 12.7 | 1087 | | | |
| | 944 | | | 20.25 | 25.19 | 7.27 | 12.8 | 1068 | | | |
| | 951 | | | 27.0 | 25.18 | 7.26 | 12.8 | 1099 | | | |
| | 1002 | | | 33.75 | 25.20 | 7.25 | 12.7 | 1095 | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____

Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, μmhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

well vol = 6.65

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

25.08 9:10

| Job Number <i>S81007</i> | | Well No. and Type: <i>MW-11D</i> | | Static Water Depth (ft TOC ^a): | | at hrs. | | | | |
|--------------------------|------|--|--------------|--|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: | | Initial Total Depth (ft TOC): <i>43.70</i> | | Depth to NAPL ^b | | at hrs. | | | | |
| Developers | | Final Total Depth (ft TOC): <i>43.75</i> | | Weather: <i>65° Sunny</i> | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-01 | 0915 | <i>Stainless Steel Boiler</i> | | <i>1.1</i> | <i>25.10</i> | <i>7.25</i> | <i>12.8</i> | <i>1034</i> | <i>Very Turbid</i> | |
| | 0925 | <i>Dsp Boiler</i> | | <i>3.0</i> | <i>25.10</i> | <i>7.23</i> | <i>12.2</i> | <i>1031</i> | <i>Very Turbid</i> | |
| | 0930 | <i>Dsp Boiler</i> | | <i>3.0</i> | <i>25.10</i> | <i>7.23</i> | <i>12.0</i> | <i>1031</i> | <i>Very Turbid</i> | |
| | 0935 | <i>Dsp Boiler</i> | | <i>3.0</i> | <i>25.10</i> | <i>7.25</i> | <i>12.6</i> | <i>1048</i> | <i>Very Turbid</i> | |
| | 0941 | <i>Dsp Boiler</i> | | <i>3.0</i> | <i>25.10</i> | <i>7.27</i> | <i>12.6</i> | <i>1040</i> | <i>Very Turbid</i> | |
| | 0946 | <i>Dsp Boiler</i> | | <i>3.0</i> | <i>25.10</i> | <i>7.27</i> | <i>12.5</i> | <i>1050</i> | <i>Very Turbid</i> | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

1 well vol = 3.0

25.33 7:24

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number 521002 | | Well No. and Type: Mw-25 01 | | Static Water Depth (ft TOC): | | at hrs. | | | | |
|-------------------|------|-------------------------------------|--------------|------------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: | | Initial Total Depth (ft TOC): 44.36 | | Depth to NAPL: | | at hrs. | | | | |
| Developers | | Final Total Depth (ft TOC): | | Weather: 65° Sunny | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-01 | 7:37 | 3.25 | 3.25 | 7 | 25.33 | 6.71 | 14.2 | 959 | Very Brown | |
| | 7:59 | | 3.25 | | 25.65 | 7.18 | 12.9 | 1001 | | |
| | 8:08 | Displacement | 6.50 | | 25.64 | 7.30 | 12.8 | 1020 | | |
| | 8:19 | | 9.75 | | 25.65 | 7.37 | 12.7 | 1052 | | |
| | 8:28 | | 13.0 | | 25.65 | 7.30 | 12.7 | 1058 | | |
| | 8:37 | | 16.25 | | 25.64 | 7.30 | 12.7 | 1063 | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, μmhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

1 well vol = 3.10 gal

HMMW121

6.60 gal 1WZK VOX

sheet 1 of 1
2482

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Date | Time | Purge Method | Pumping Rate | Well No. and Type: | | Temp. ^e | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|---------|------|--------------|--------------|------------------------------|----------------------------|--------------------|--------------------------|------------------------|-----------------------|
| | | | | Initial Total Depth (ft TOC) | Final Total Depth (ft TOC) | | | | |
| 8-27-01 | 1544 | Waterria | | 25.12 | 7.25 | 19.1 | 976 | | dk brown some silt |
| 8-27-01 | 1557 | Waterria | | 25.14 | 7.10 | 15.3 | 992 | | dk brown dot of silt |
| 8-27-01 | 1609 | Waterria | | 24.98 | 7.22 | 16.0 | 987 | | dk brown alot of silt |
| 8-27-01 | 1431 | Waterria | | 24.92 | 7.21 | 14.6 | 994 | | dk brown lots of silt |
| 8-27-01 | 1441 | Waterria | | 24.91 | 7.18 | 14.4 | 1010 | | dk brown lots of silt |
| 8-27-01 | 1453 | Waterria | | 24.92 | 7.21 | 14.3 | 1004 | | |
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Job Number SB1002
 Site: Allied Corp Property
 Developers J. Makowski / M. Young
 Well No. and Type: HMMW121 PVC
 Initial Total Depth (ft TOC): 65.12
 Final Total Depth (ft TOC): 66.04
 Static Water Depth (ft TOC^a): at hrs. 1527
 Depth to NAPL^b NML at hrs.
 Weather: 85% Partly Cloudy

IMHOFF CONE TEST
 Start Time: _____ Volume Water: _____ End Time: _____
 Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

250 1832

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| | | | | | | | | | | |
| 9-5-01 | 1850 | Deep Well | | 6.50 | 25.0 | 7.35 | 14.0 | 969 | | |
| | 1856 | | | 3.25 | 25.0 | 7.31 | 14.1 | 965 | | |
| | 1900 | | | 6.50 | 25.0 | 7.29 | 13.3 | 972 | | |
| | 1906 | | | 9.75 | 24.90 | 7.30 | 13.5 | 900 | | |
| | 1910 | | | 13.0 | 25.0 | 7.31 | 13.5 | 950 | | |
| | 1915 | | | 19.25 | 24.99 | 7.39 | 14.2 | 986 | | |
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Job Number 733007
 Site: Area A
 Developers: S. Heath

Well No. and Type: MW-13D
 Initial Total Depth (ft TOC): 44.30
 Final Total Depth (ft TOC): 20.43

Static Water Depth (ft TOC): at hrs.
 Depth to NAPL^b N/A/M/L at hrs.
 Weather: in 2003

IMHOFF CONE TEST
 Start Time: _____ End Time: _____
 Volume Water: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, μmhos/cm (or μS/cm).
 i. Visual unless otherwise noted.

MW-13D = 3150 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

22.98 7:00

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 9-7-01 | 0835 | water | | 10.0 | 22.98 | 7.30 | 15.0 | 891 | very turbid | |
| 9-7-01 | 840 | water | | 20.0 | 22.98 | 7.22 | 14.0 | 931 | " | |
| 9-7-01 | 849 | water | | 30.0 | 22.98 | 7.25 | 15.1 | 906 | very turbid | |
| 9-7-01 | 0858 | water | | 40.0 | 22.99 | 7.31 | 15.1 | 880 | " | |
| 9-7-01 | 903 | water | | 50.0 | 22.99 | 7.34 | 16.1 | 879 | very turbid | |
| 9-7-01 | 910 | water | | | | 7.33 | 15.1 | 901 | very turbid | |
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Job Number 585008
 Site: Area 4
 Developers: M. Chandler / S. Heath
 Well No. and Type: MW-9A
 Initial Total Depth (ft TOC): 64.57
 Final Total Depth (ft TOC): 64.6
 Static Water Depth (ft TOC^a): N/A
 Depth to NAPL^b: N/A
 Weather: 05 P/C

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

well vol = 10.0 gal

24.79 724

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number 5 BT-002 | | Well No. and Type: MW-255 | | Static Water Depth (ft TOC): | | Depth to NAPL ^b | | Weather: 65° Sunny | |
|---------------------|------|------------------------------------|--------------|------------------------------|------------------|----------------------------|--------------------------|------------------------|----------|
| Site: | | Initial Total Depth (ft TOC): 28.0 | | Temp. ^e | | Spec. Cond. ^h | | at hrs. | |
| Developers | | Final Total Depth (ft TOC): | | pH ⁱ | | Turbidity ⁱ | | at hrs. | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^o | Temp. ^e | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 8/18/01 | 0525 | Dip Valley | | 0.75 | 24.80 | 13.0 | 1090 | | |
| 9/5/01 | 0824 | Dip 2.10' | | 0.75 | 24.80 | 12.9 | 1064 | | |
| 9/5/01 | 0830 | Dip 2.10' | | 0.75 | 24.80 | 12.8 | 1028 | | |
| 9/5/01 | 0835 | Dip 2.10' | | 0.75 | 24.80 | 12.7 | 1031 | | |
| 9/5/01 | 0837 | Dip 2.10' | | 0.75 | 24.80 | 12.7 | 1040 | | |
| 9/5/01 | 0839 | Dip 2.10' | | 0.75 | 24.80 | 12.7 | 1032 | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

well vol = 0.54 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

2382 7:00

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 9-7-01 | 8:18 | Surplbaly | | ind | 2382 | 7.14 | 12.8 | 853 | Very dirty | |
| | 8:20 | | | 1.0 | 23.81 | 7.09 | 12.9 | 795 | " | |
| | 8:23 | | | 2.0 | 23.82 | 7.11 | 12.9 | 802 | " | |
| | 8:25 | | | 3.0 | 23.80 | 7.09 | 13.0 | 808 | " | |
| | 8:27 | | | 4.0 | 23.81 | 7.23 | 13.4 | 821 | " | |
| | 8:30 | | | 5.0 | 23.81 | 7.06 | 13.1 | 807 | " | |
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Job Number 581007
 Site: Area A
 Developers M. Charcho
 Well No. and Type: HMW-95
 Initial Total Depth (ft TOC): 29.78
 Final Total Depth (ft TOC): 29.96
 Static Water Depth (ft TOC): at hrs.
 Depth to NAPL^b NA
 Weather: 65° PK

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.

- d. Cumulative gallons
- e. Depth to water.

- f. Standard units
- g. °C, unless °F noted.

- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

1 well vol = 1.0 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

25.85 7:30

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 9-5-01 | 0740 | WATER | | 5.1 | 25.90 | 7.17 | 14.9 | 990 | Very Turbid | |
| 9-5-01 | 0748 | WATER | | 6.75 | 25.90 | 7.23 | 13.6 | 1035 | Very Turbid | |
| 9-5-01 | 0755 | WATER | | 6.75 | 25.90 | 7.18 | 13.1 | 1060 | Very Turbid | |
| 9-5-01 | 0803 | WATER | | 6.75 | 25.90 | 7.26 | 13.1 | 1059 | Very Turbid | |
| 9-5-01 | 0808 | WATER | | 6.75 | 25.89 | 7.33 | 13.3 | 1072 | Very Turbid | |
| 9-5-01 | 0811 | WATER | | 6.75 | 25.90 | 7.36 | 13.2 | 1069 | Very Turbid | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

1 well val = 6.64

25.00 1832

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number <u>56102</u> | | Well No. and Type: <u>HW-13D</u> | | | Static Water Depth (ft TOC): _____ at _____ hrs. | | | | | |
|-------------------------|------|---|--------------|----------------------------|--|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: _____ | | Initial Total Depth (ft TOC): <u>86.0</u> | | | Depth to NAPL ^b : _____ at _____ hrs. | | | | | |
| Developers | | Final Total Depth (ft TOC): <u>86.72</u> | | | Weather: _____ | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-01 | 1840 | PS Bailer | <u>PA</u> | | 25.0 | 7.51 | 14.9 | 925 | Very Turbid | |
| 9-5-01 | 1850 | PS Bailer | | | 25.0 | 7.32 | 14.5 | 917 | Very Turbid | |
| 9-5-01 | 1855 | PS Bailer | | | 25.0 | 7.32 | 14.2 | 946 | Very Turbid | |
| 9-5-01 | 1903 | PS Bailer | | | 25.0 | 7.34 | 14.1 | 886 | Very Turbid | |
| 9-5-01 | 1910 | PS Bailer | | | 25.0 | 7.36 | 14.3 | 902 | Very Turbid | |
| 9-5-01 | 1916 | PS Bailer | | | 24.95 | 7.33 | 13.6 | 953 | Very Turbid | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

WV = 9.0 gpd

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

2495 1835

| Job Number Site: Developers | Well No. and Type: MW-135 | | | | | | Static Water Depth (ft TOC): at hrs. Depth to NAPL ^b at hrs. | | | | |
|-----------------------------------|---------------------------|------|--------------|--------------|----------------------------|------------------|--|--------------------|--------------------------|------------------------|----------|
| | Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| | | | | | | | | | | | |
| | 9-5-01 | 1921 | Dip Bailer | | 0.5 | 24.95 | 7.02 | 13.1 | 1098 | | |
| | 9-5-01 | 1923 | Dip Bailer | | 1.0 | 24.95 | 7.14 | 13.3 | 1034 | | |
| | 9-5-01 | 1925 | Dip Bailer | | 1.5 | 24.95 | 7.07 | 13.0 | 1030 | | |
| | 9-5-01 | 1926 | Dip Bailer | | 2.0 | 24.95 | 7.06 | 12.9 | 1025 | | |
| | 9-5-01 | 1927 | Dip Bailer | | 2.5 | 24.95 | 7.06 | 12.7 | 1029 | | |
| | 9-5-01 | 1928 | Dip Bailer | | | 24.95 | 7.07 | 12.1 | 1028 | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
b. NAPL - nonaqueous phase liquid.
c. Gallons per minute.
d. Cumulative gallons.
e. Depth to water.
f. Standard units.
g. °C, unless °F noted.
h. Specific conductance, µmhos/cm (or µS/cm).
i. Visual unless otherwise noted.

MW-135 0.47 gal

24.51 1938

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number | Well No. and Type: | DTW ^e | pH ⁱ | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments | | |
|------------|-------------------------------|-----------------------------|-----------------|--|----------------------------|------------------------|----------|------|-------------|
| Site: | Initial Total Depth (ft TOC): | Final Total Depth (ft TOC): | Weather: | Static Water Depth (ft TOC ^b): | Depth to NAPL ^b | at hrs. | at hrs. | | |
| Developers | Pumping Rate | Volume Purged ^d | Purge Method | Time | Time | Time | Time | | |
| 9501 | | 4.8 | drop lead | 1940 | 24.51 | 7.60 | 13.2 | 1023 | Very turbid |
| | | 10. | | 1944 | 24.51 | 7.33 | 12.1 | 985 | |
| | | 2.0 | | 1947 | 24.50 | 7.20 | 12.0 | 1002 | |
| | | 3.0 | | 1951 | 24.51 | 7.15 | 12.4 | 994 | |
| | | 4.0 | | 1954 | 24.50 | 7.15 | 11.8 | 1004 | |
| | | 5.0 | | 1957 | 24.51 | 7.20 | 11.8 | 998 | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, μmhos/cm (or μS/cm).
 i. Visual unless otherwise noted.

1 wet net = 0.78 gpd

Volume

sheet of 1

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

20.35

| Job Number | | Well No. and Type: MW-65 | | Static Water Depth (ft TOC): | | at hrs. | | | | |
|------------|-------|-------------------------------------|--------------|------------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------------|
| Site: | | Initial Total Depth (ft TOC): 23.85 | | Depth to NAPL ^b : | | at hrs. | | | | |
| Developers | | Final Total Depth (ft TOC): 23.44 | | Weather: | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-01 | 17:20 | Piezobar | | initial | 20.35 | 6.98 | 13.5 | 1007 | | Sheen on water |
| | 17:22 | | | 0.5 | 20.35 | 6.96 | 13.4 | 982 | | |
| | 17:24 | | | 1.0 | | 7.04 | 13.3 | 964 | | |
| | 17:26 | | | 1.5 | | 7.04 | 13.4 | 940 | | |
| | 17:29 | | | 2.0 | | 7.05 | 13.1 | 932 | | |
| | 17:35 | | | 2.5 | 20.35 | 7.05 | 13.2 | 944 | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing
b. NAPL - nonaqueous phase liquid.
c. Gallons per minute.

d. Cumulative gallons
e. Depth to water.

f. Standard units
g. °C, unless °F noted.

h. Specific conductance, μmhos/cm (or μS/cm).
i. Visual unless otherwise noted.

141000

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

Job Number 531002 Well No. and Type: HWW/53-1 Static Water Depth (ft TOC): _____ at _____ hrs.
 Site: Area Initial Total Depth (ft TOC): 24.35 Depth to NAPL: N/A at _____ hrs.
 Developers: M. Charach Final Total Depth (ft TOC): 29.35 Weather: Sunny 80°S

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|-------|----------------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------------|
| 9-5-01 | 17:05 | Disposible Sailer | | initial | 19.65 | 7.15 | 14.9 | 959 | Very turbid | seen on sample |
| | 17:08 | | | 1.0 | 19.66 | 7.13 | 14.3 | 933 | | |
| | 17:09 | | | 2.0 | 19.66 | 7.12 | 14.0 | 981 | | |
| | 17:12 | | | 3.0 | 19.66 | 7.13 | 13.8 | 978 | | |
| | 17:14 | | | 4.0 | 19.66 | 7.25 | 14.5 | 961 | | |
| | 17:16 | | | 5.0 | 19.66 | 7.19 | 14.0 | 969 | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, μmhos/cm (or μS/cm).
 i. Visual unless otherwise noted.

.72 / well volume
25.39

sheet of

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number 531002 Site: Area A Developers Health | | Well No. and Type: Hmw-3s | | Static Water Depth (ft TOC): at hrs. Depth to NAPL: N/A at hrs. | | Weather: Sunny 80's | | | | |
|--|-------|---------------------------|--------------|--|------------------|---------------------|--------------------|--------------------------|------------------------|----------|
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-01 | 16:43 | Disposible booster | | initial | 20.96 | 7.51 | 14.1 | 796 | Very turbid | |
| | 16:45 | | | 0.75 | 20.94 | 7.36 | 13.9 | 865 | " | |
| | 16:46 | | | 1.5 | 20.95 | 7.35 | 13.5 | 865 | " | |
| | 16:48 | | | 2.25 | 20.95 | 7.34 | 13.5 | 846 | " | |
| | 16:51 | | | 3.0 | | 7.29 | 13.3 | 875 | " | |
| | 16:53 | | | 3.75 | 20.95 | 7.30 | 13.0 | 837 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

60/well volume
24.67

sheet of 1

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|-------|-------------------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 9-5-01 | 16:41 | Disposables Purifier | | initial | 20.95 | 7.70 | 15.9 | 805 | Very Turbid | |
| | 16:43 | | | .75 | 20.97 | 7.42 | 14.9 | 806 | " | |
| | 16:44 | | | 1.5 | 20.97 | 7.36 | 14.6 | 830 | " | |
| | 16:45 | | | 2.25 | 20.97 | 7.36 | 14.2 | 839 | " | |
| | 16:46 | | | 3.0 | | 7.33 | 13.9 | 839 | " | |
| | 16:47 | | | 3.75 | 20.97 | 7.33 | 13.9 | 852 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing
- b. NAPL - nonaqueous phase liquid
- c. Gallons per minute
- d. Cumulative gallons
- e. Depth to water
- f. Standard units
- g. °C, unless °F noted
- h. Specific conductance, µmhos/cm (or µS/cm)
- i. Visual unless otherwise noted.

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

25.47

| Job Number | | Well No. and Type: | | Static Water Depth (ft TOC): | | at hrs. | | | | |
|------------|------|-------------------------------|--------------|------------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: | | Initial Total Depth (ft TOC): | | Depth to NAPL: | | at hrs. | | | | |
| Developers | | Final Total Depth (ft TOC): | | Weather: | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-01 | 1546 | Disp. Boiler | | 1.07 | 25.50 | 7.50 | 14.1 | 979 | Very Turbid | |
| 9-5-01 | 1549 | Disp. Boiler | | 1.25 | 26.50 | 7.31 | 13.4 | 966 | Very Turbid | |
| 9-5-01 | 1553 | Disp. Boiler | | 2.5 | 25.50 | 7.23 | 13.0 | 993 | Very Turbid | |
| 9-5-01 | 1556 | Disp. Boiler | | 3.75 | 26.50 | 7.21 | 12.8 | 991 | Very Turbid | |
| 9-5-01 | 1558 | Disp. Boiler | | 5.0 | 26.50 | 7.21 | 12.8 | 973 | Very Turbid | |
| 9-5-01 | | Disp. Boiler | | 6.25 | 25.50 | 7.21 | 12.9 | 996 | Very Turbid | |
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IMHOFF CONE TEST

Start Time: _____

Volume Water: _____

Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.

d. Cumulative gallons
 e. Depth to water.

f. Standard units
 g. °C, unless °F noted.

h. Specific conductance, umhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

1.06

25.70 1525

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 9-5-01 | 1528 | Displacement | | 1.1 | 25.70 | 7.65 | 14.0 | 933 | Blue silt | |
| | 1531 | ↓ | | 1.2 | 25.76 | 7.32 | 13.3 | 914 | " | |
| | 1534 | ↓ | | 1.3 | 25.75 | 7.23 | 13.1 | 934 | " | |
| | 1538 | ↓ | | 1.4 | 25.75 | 7.22 | 12.9 | 933 | " | |
| | 1542 | ↓ | | 1.5 | 25.76 | 7.21 | 12.7 | 935 | " | |
| | 1545 | ↓ | | 1.6 | 25.74 | 7.23 | 12.6 | 938 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons.
- e. Depth to water.
- f. Standard units.
- g. °C, unless °F noted.
- h. Specific conductance, μmhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

Well vol = 1.15 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

25-85 1455

| Job Number | Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity | Static Water Depth (ft TOC ⁱ): | |
|------------|------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|-----------|--|-----------------------------|
| | | | | | | | | | | | Initial Total Depth (ft TOC): | Final Total Depth (ft TOC): |
| 95-01 | 1504 | | Drop Valve | | 0.75 | 25.85 | 7.03 | 14.0 | 968 | Byem silt | 80° Sunny | |
| | 1507 | | | | 1.50 | 25.83 | 7.05 | 14.6 | 947 | " | | |
| | 1510 | | | | 2.25 | 25.84 | 7.17 | 14.7 | 911 | " | | |
| | 1513 | | | | 3.0 | 25.83 | 7.11 | 15.3 | 930 | " | | |
| | 1516 | | ↓ | | 3.75 | 25.84 | 7.12 | 15.5 | 960 | " | | |
| | | | | | | 25.83 | 7.06 | 14.4 | 960 | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.

- d. Cumulative gallons
- e. Depth to water.

- f. Standard units
- g. °C, unless °F noted.

- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

1 well vol = 0.56 gal

25.75 1455

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number | | Well No. and Type: 26S | | Static Water Depth (ft TOC): at hrs. | | Depth to NAPL ^b at hrs. | | | | |
|------------|------|-------------------------------------|--------------|--------------------------------------|------------------|------------------------------------|--------------------|--------------------------|------------------------|----------|
| Developers | | Initial Total Depth (ft TOC): 27.49 | | Weather: 80° Sunny | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ⁱ | Temp. ^f | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-01 | 1500 | Disp Bailer | | 1.01 | 25.75 | 7.09 | 14.9 | 924 | very turbid | |
| 9-5-01 | 1502 | Disp Bailer | | 1.5 | 25.75 | 6.95 | 14.6 | 943 | very turbid | |
| 9-5-01 | 1505 | Disp Bailer | | 1.0 | 25.75 | 6.99 | 15.0 | 928 | very turbid | |
| 9-5-01 | 1509 | Disp Bailer | | 1.40 | 25.77 | 7.11 | 15.2 | 947 | very turbid | |
| 9-5-01 | 1512 | Disp Bailer | | 1.25 | 25.77 | 7.01 | 14.7 | 962 | very turbid | |
| 9-5-01 | 1515 | Disp Bailer | | 2.25 | 25.75 | 6.99 | 15.3 | 964 | very turbid | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

1 well vol = 0.28 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

24.95 1348

| Job Number <u>SB1007</u> | | Well No. and Type: <u>MW-215</u> | | Static Water Depth (ft TOC ^a): at hrs. | | Depth to NAPL ^b at hrs. | | Weather: <u>80° Sunny</u> | | | |
|--------------------------|------|--|--------------|--|------------------|------------------------------------|--------------------|---------------------------|------------------------|----------|--|
| Site: <u>Developers</u> | | Initial Total Depth (ft TOC): <u>27.68</u> | | Temp. ^g | | Spec. Cond. ^h | | Turbidity ⁱ | | Comments | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | | |
| 9-5-01 | 1356 | Dispensable Bailer | | 1.0 | 24.96 | 6.91 | 15.5 | 928 | very turbid | | |
| 9-8-01 | 1400 | Dispensable Bailer | | 1.0 | 24.96 | 7.12 | 14.3 | 958 | very turbid | | |
| 9-5-01 | 1406 | Dispensable Bailer | | 2.0 | 24.94 | 7.18 | 13.7 | 965 | very turbid | | |
| 9-5-01 | 1409 | Dispensable Bailer | | 3.0 | 24.96 | 7.11 | 13.4 | 964 | very turbid | | |
| 9-5-01 | 1414 | Dispensable Bailer | | 4.0 | 24.96 | 7.18 | 13.3 | 965 | very turbid | | |
| 9-5-01 | 1417 | Dispensable Bailer | | 5.0 | 24.98 | 7.23 | 13.4 | 970 | very turbid | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing
 b. NAPL - nonaqueous phase liquid
 c. Gallons per minute
 d. Cumulative gallons
 e. Depth to water
 f. Standard units
 g. °C, unless °F noted
 h. Specific conductance, μmhos/cm (or μS/cm)
 i. Visual unless otherwise noted.

NE corner of Building 83
 in parking lot Along Franklin St.
 1 well vol = 0.77 gal

24.69 1348

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number SB100 | | Well No. and Type: HMW-24D | | Static Water Depth (ft TOC): at hrs. | | | | | | |
|------------------|------|-------------------------------------|--------------|--------------------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: S. Beach | | Initial Total Depth (ft TOC): 54.30 | | Depth to NAPL ^b at hrs. | | | | | | |
| Developers | | Final Total Depth (ft TOC): 54.17 | | Weather: 80° Sunny | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-01 | 1400 | WATER | | 5.0 | 24.69 | 7.14 | 14.8 | 930 | Very Turbid | |
| 9-5-01 | 1405 | WATER | | 10.0 | 24.75 | 7.23 | 13.8 | 945 | Very Turbid | |
| 9-5-01 | 1410 | WATER | | 15.0 | 24.87 | 7.24 | 13.5 | 821 | Very Turbid | |
| 9-5-01 | 1414 | WATER | | 20.0 | 24.88 | 7.23 | 13.5 | 954 | Very Turbid | |
| 9-5-01 | 1422 | WATER | | 25.0 | 24.88 | 7.31 | 13.5 | 952 | Very Turbid | |
| 9-5-01 | 1428 | WATER | | 30.0 | 24.79 | 7.33 | 13.4 | 948 | Very Turbid | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units & °C, unless °F noted.
- g. °C, unless °F noted.
- h. Specific conductance, μmhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

1 well vol = 4.83 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

2466 1210

| Job Number <u>SIS1000</u> | | Well No. and Type: <u>MW-23D</u> | | Static Water Depth (ft TOC): <u>N/A</u> at <u>hrs.</u> | | | | | | |
|----------------------------|-------|--|--------------|--|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: <u>S. Pond</u> | | Initial Total Depth (ft TOC): <u>43.36</u> | | Depth to NAPL: <u>N/A</u> at <u>hrs.</u> | | | | | | |
| Developers: <u>S. Pond</u> | | Final Total Depth (ft TOC): <u>43.36</u> | | Weather: <u>80 Sunny</u> | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-9 | 12:21 | Disposible 3.0 liter | | init | 24.66 | 7.14 | 13.8 | 880 | Brum silty | |
| | 12:28 | | | 3.0 | 24.68 | 7.19 | 13.6 | 906 | Very turbid | |
| | 12:34 | | | 6.0 | | 7.24 | 13.3 | 905 | " | |
| | 12:37 | | | 9.0 | 24.68 | 7.14 | 13.1 | 889 | " | |
| | 12:40 | | | 12.0 | | 7.19 | 13.1 | 894 | " | |
| | 12:43 | | | 15.0 | 24.68 | 7.30 | 13.1 | 870 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 depth to water.
 e. °C, unless °F noted.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, μmhos/cm (or μS/cm).
 i. Visual unless otherwise noted.

1 well vol = 3.0 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

2500 1207

235

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|-------|-------------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 9-5-01 | 12:28 | Disposible Bailor | | Initial | 25.02 | 7.11 | 13.2 | 865 | sl. clear | |
| | 12:30 | " | | 0.8 | | 7.01 | 13.2 | 1057 | Very turbid | |
| | 12:32 | | | 1.6 | 25.03 | 7.03 | 13.2 | 1058 | " | |
| | 12:34 | | | 2.4 | | 7.09 | 13.2 | 1034 | " | |
| | 12:36 | | | 3.2 | 25.03 | 7.03 | 13.3 | 1029 | " | |
| | 12:38 | | | 4.0 | 25.03 | 7.07 | 13.2 | 1035 | " | |
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Job Number SA1007
 Site: M. Charled
 Developers M. Charled
 Well No. and Type: HMW-235
 Initial Total Depth (ft TOC): 29.40
 Final Total Depth (ft TOC): 29.91
 Static Water Depth (ft TOC): at hrs. _____ at hrs. _____
 Depth to NAPL: _____
 Weather: 96° Sunny

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

1 well vol = 0.80 gal

25.38 / 207

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number 505T002 | | Well No. and Type: MW-235 | | Static Water Depth (ft TOC): at hrs. | | | | | | |
|--------------------|-------|-------------------------------------|--------------|--------------------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|------------------|
| Site: Developers | | Initial Total Depth (ft TOC): 27.83 | | Depth to NAPL ^b at hrs. | | | | | | |
| Date | | Final Total Depth (ft TOC): 28.17 | | Weather: 80° Sunny | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-5-01 | 12:18 | Disp Bailer | | .50 | 23.50 | 6.85 | 15.3 | 1150 | | Slight Turbidity |
| 9-5-01 | 12:20 | Disp Bailer | | .50 | 25.50 | 6.83 | 14.7 | 1163 | | Very Turbid |
| 9-5-01 | 12:22 | Disp Bailer | | .50 | 25.55 | 6.82 | 14.2 | 1209 | | " |
| 9-5-01 | 12:24 | Disp Bailer | | .50 | 25.50 | 6.85 | 13.8 | 1226 | | " |
| 9-5-01 | 12:26 | Disp Bailer | | .50 | | 6.86 | 13.5 | 1215 | | " |
| 9-5-01 | 12:28 | Disp Bailer | | .50 | 25.45 | 6.86 | 13.3 | 1234 | | " |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, μmhos/cm (or μS/cm).
 i. Visual unless otherwise noted.

1 well vol = 0.40 gal

25.55 1035

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number Site: Developers | Well No. and Type: MW-150 | | | Static Water Depth (ft TOC ^a): at hrs. | | Depth to NAPL ^b Weather: 70° Sunny | Turbidity ^c | Comments | | | |
|-----------------------------------|---------------------------|--------------|--------------|--|----------------------------|--|------------------------|----------|------------------|-----------------------|--------------------|
| | Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | | | | DTW ^e | pH ^f | Temp. ^g |
| 95-01 | 1045 | SS Driller | | | initial | 2555 | 7.35 | 13.2 | 907 | clear | |
| | 1055 | " | | | 2.50 | 2554 | 7.35 | 12.8 | 965 | Black w product color | |
| | 1114 | Deep Driller | | | 5.0 | 2555 | 7.34 | 12.8 | 1122 | " | |
| | 1128 | " | | | 7.50 | 2553 | 7.47 | 12.9 | 1043 | " | |
| | 1132 | " | | | 10.0 | 2554 | 7.57 | 12.9 | 1138 | " | |
| | 1139 | " | | | 12.50 | 2561 | 7.43 | 13.0 | 1131 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, μmhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

1 well vol = 2.27

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

2076 910

| Job Number <u>281502</u> | | Well No. and Type: <u>AMW-281502</u> | | Static Water Depth (ft TOC): _____ at _____ hrs. | | | | | | |
|--------------------------|------|--|--------------|--|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: | | Initial Total Depth (ft TOC): <u>93.82</u> | | Depth to NAPL: <u>N/A</u> | | | | | | |
| Developers | | Final Total Depth (ft TOC): <u>93.80</u> | | Weather: <u>70° Sunny</u> | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-6-01 | 914 | water | | 12.0 | 20.76 | 7.56 | 16.8 | 750 | clear | |
| 9-6-01 | 922 | water | | 24.0 | 20.76 | 7.53 | 14.7 | 653 | very fine d | |
| 9-6-01 | 933 | water | | 36.0 | 20.74 | 7.52 | 14.8 | 674 | " | |
| 9-6-01 | 942 | water | | 48.0 | 20.75 | 7.49 | 15.5 | 670 | " | |
| 9-6-01 | 952 | water | | 60.0 | 20.75 | 7.49 | 14.2 | 665 | " | |
| 9-6-01 | 1002 | water | | | 20.74 | 7.48 | 14.1 | 690 | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons.
- e. Depth to water.
- f. Standard units.
- g. °C, unless °F noted.
- h. Specific conductance, µmhos/cm (or µS/cm).
- i. Visual unless otherwise noted.

total vol = 12.0 gal

| Time | Dosage method | Volume Burged | DTW | pH | Temp. | Cond. | Turbidity |
|------|---------------|---------------|-------|------|-------|--------|-----------------|
| 3:45 | boiler | Initial | 20.81 | 6.84 | 19.7 | 148.5μ | opaque / cloudy |
| 3:48 | " " | 0.75 | 20.70 | 6.94 | 17.6 | 410 | Brown / cloudy |
| 3:50 | " " | 1.5 | 20.50 | 6.96 | 16.6 | 420 | Brown / cloudy |
| 3:52 | " " | 2.25 | 20.73 | 6.99 | 16.1 | 408 | " " |
| 3:55 | " " | 3.0 | 20.71 | 7.01 | 15.8 | 395 | " " |
| 3:59 | " " | 3.75 | 20.72 | 6.98 | 15.7 | 399 | " " |

9-13-01

Final DTB 24.72
Final DTBU 20.74

Final DTB: 24.73

HMW-285

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

29.45

| Job Number <u>SBI202</u> | | Well No. and Type: <u>HMW-345</u> | | Static Water Depth (ft TOC): | | at hrs. | | | | |
|--------------------------|------|--|--------------|------------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: <u>M. Church</u> | | Initial Total Depth (ft TOC): <u>30.85</u> | | Depth to NAPL: | | at hrs. | | | | |
| Developers | | Final Total Depth (ft TOC): <u>30.85</u> | | Weather: <u>05 Sunny</u> | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^a | DTW ^b | pH ^c | Temp. ^e | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 01-5-01 | 8:30 | Dry Pump | | | 24.45 | 7.37 | 13.8 | 813 | cloudy | |
| | 8:33 | | | | 24.44 | 7.25 | 13.9 | 819 | Brownish | |
| | 8:36 | | | | 24.45 | 7.24 | 13.6 | 840 | " | |
| | 8:39 | | | | 24.44 | 7.20 | 13.5 | 608 | " | |
| | 8:41 | | | | 24.45 | 7.35 | 13.1 | 873 | " | |
| | 8:44 | | | | 24.45 | 7.23 | 13.0 | 810 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.

d. Cumulative gallons
 e. Depth to water.

f. Standard units
 g. °C, unless °F noted.

h. Specific conductance, $\mu\text{mhos/cm}$ (or $\mu\text{S/cm}$).
 i. Visual unless otherwise noted.

1 well read = 1 gal

24.40 8:03

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number Site: Developers | Well No. and Type: | | Static Water Depth (ft TOC): | | Depth to NAPL ⁶ : | | Weather: | | Turbidity ⁷ | | Comments |
|-----------------------------------|-------------------------------|---------|------------------------------|-----------------|------------------------------|--------------------------|--------------------------|--------------------------|------------------------|--|----------|
| | Initial Total Depth (ft TOC): | Type: | DTW ⁵ | pH ¹ | Temp. ⁵ | Spec. Cond. ^h | Spec. Cond. ^h | Spec. Cond. ^h | Turbidity ⁷ | | |
| 96-01 | SS500 M. Chandler | HMW-145 | 24.40 | 7.15 | 13.0 | 843 | 786 | 843 | clean | | |
| 812 | | | 24.40 | 6.99 | 13.3 | 786 | 786 | | | | |
| 815 | | | 24.39 | 7.16 | 13.3 | 634 | 634 | 634 | Beem | | |
| 818 | | | 24.40 | 7.08 | 12.8 | 798 | 798 | 798 | | | |
| 821 | | | 24.40 | 7.15 | 12.9 | 844 | 844 | 844 | | | |
| 824 | | | 24.40 | 7.00 | 12.7 | 790 | 790 | 790 | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, μmhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

1 well vol = 1.17 gpd

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

24.71 6:36

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|--------|------|-------------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 9-6-01 | 6:45 | Disposable Bailer | | initial | 24.71 | 6.71 | 13.7 | 938 | | |
| | 6:50 | " | | 1.0 | 24.71 | 6.83 | 12.7 | 985 | Very turbid | |
| | 6:53 | " | | 2.0 | 24.71 | 6.87 | 12.5 | 978 | " | |
| | 6:55 | " | | 3.0 | | 6.90 | 12.4 | 978 | " | |
| | 6:56 | " | | 4.0 | | 6.92 | 12.3 | 986 | " | |
| | 6:58 | " | | 5.0 | 24.71 | 6.94 | 12.3 | 985 | " | |
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Job Number SBJ002
 Site: Area A
 Developers: M. Chachal
 Well No. and Type: AMW-155
 Initial Total Depth (ft TOC): 29.95
 Final Total Depth (ft TOC): 29.95
 Static Water Depth (ft TOC): at hrs.
 Depth to NAPL N/A
 Weather: 60° Sunny

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless otherwise noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

1 well rec'd = 0.85 gpd

29.68 6:37

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number Site: Developers | Well No. and Type: <u>HW-15D</u> | | | | Static Water Depth (ft TOC): _____ at _____ hrs. | | | Comments | | | |
|-----------------------------------|----------------------------------|--------------|--------------|--------------|--|------------------|-----------------|-------------|--------------------|--------------------------|------------------------|
| | Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ⁱ | | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ |
| <u>96-01</u> | <u>6:49</u> | <u>Water</u> | | | <u>init. cl</u> | <u>24.68</u> | <u>7.11</u> | <u>14.1</u> | <u>938</u> | <u>clear</u> | |
| | <u>6:54</u> | | | | <u>9.5</u> | <u>24.80</u> | <u>7.05</u> | <u>12.5</u> | <u>1111</u> | <u>very turbid</u> | |
| | <u>7:10</u> | | | | <u>19.0</u> | <u>24.79</u> | <u>7.26</u> | <u>13.5</u> | <u>975</u> | | |
| | <u>7:20</u> | | | | <u>28.5</u> | <u>24.80</u> | <u>7.52</u> | <u>13.8</u> | <u>1030</u> | <u>"</u> | |
| | <u>7:30</u> | | | | <u>37.0</u> | <u>24.77</u> | <u>7.38</u> | <u>14.0</u> | <u>1001</u> | <u>"</u> | |
| | <u>7:40</u> | <u>↓</u> | | | <u>46.5</u> | <u>24.75</u> | <u>7.30</u> | <u>14.1</u> | <u>965</u> | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons depth to water.
 e. °C, unless °F noted.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, μmhos/cm (or μS/cm).
 i. Visual unless otherwise noted.

well vol - 9.35 gal

19.32 1900

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number Site: Developers Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Static Water Depth (ft TOC ^a): | | Comments | |
|---|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|--|-----------------------------|----------|----------|
| | | | | | | | | | | Depth to NAPL ^b | | | Weather: |
| | | | | | | | | | | Initial Total Depth (ft TOC): | Final Total Depth (ft TOC): | | |
| 96-01 | 1903 | Deep Venting | | wind | 19.32 | 7.68 | 17.8 | 620 | very turbid | | | | |
| | 1906 | | | 1.0 | 19.30 | 7.74 | 17.5 | 505 | | | | | |
| | 1910 | | | 2.0 | 19.31 | 7.55 | 17.8 | 619 | | | | | |
| | 1914 | | | 3.0 | 19.30 | 7.63 | 17.9 | 502 | | | | | |
| | 1919 | | | 4.0 | 19.31 | 7.49 | 16.5 | 645 | | | | | |
| | 1923 | | | 5.0 | 19.30 | 7.59 | 16.8 | 645 | | | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, μmhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

1 MW = 1.0 gal

22.42 1341

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Numbers: BI002 | | Well No. and Type: MW-135 | | | Static Water Depth (ft TOC): at hrs. | | | Depth to NAPL at hrs. | | |
|-----------------------------------|------|-------------------------------------|--------------|----------------------------|--------------------------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Site: Developers | | Initial Total Depth (ft TOC): 27.45 | | | Weather: 80° Sunny | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| Final Total Depth (ft TOC): 27.49 | | | | | | | | | | |
| 9-6-01 | 144 | | | ind | 22.42 | 7.58 | 16.6 | 820 | Very Silty | |
| | 146 | | | 1.0 | 22.42 | 7.47 | 15.8 | 864 | " | |
| | 149 | | | 2.0 | 22.41 | 7.41 | 16.4 | 798 | " | |
| | 153 | | | 3.0 | 22.42 | 7.52 | 17.6 | 750 | " | |
| | 156 | | | 4.0 | 22.41 | 7.44 | 16.6 | 833 | " | |
| | 159 | | | 5.0 | 22.40 | 7.56 | 16.5 | 852 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

21.83 1056

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number 585007 | | Well No. and Type: HMM-15 | | | | Static Water Depth (ft TOC): | | at hrs. | | |
|-------------------|------|-------------------------------------|--------------|----------------------------|------------------|------------------------------|--------------------|--------------------------|-------------|----------|
| Site: S Well | | Initial Total Depth (ft TOC): 27.95 | | Depth to NAPL: | | at hrs. | | | | |
| Developers S Well | | Final Total Depth (ft TOC): 27.95 | | Weather: 70° Sunny | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity | Comments |
| 9-6-01 | 1203 | Disp B/Ler | | 0.0 | 21.83 | 7.62 | 13.8 | 413 | very turbid | |
| 9-6-01 | 1205 | disp B/Ler | | 1.0 | 21.83 | 7.52 | 13.4 | 584 | very turbid | |
| 9-6-01 | 1207 | disp B/Ler | | 2.0 | 21.83 | 7.50 | 13.3 | 599 | very turbid | |
| 9-6-01 | 1208 | disp B/Ler | | 3.0 | 21.83 | 7.50 | 13.1 | 621 | very turbid | |
| 9-6-01 | 1210 | disp B/Ler | | 4.0 | 21.83 | 7.55 | 13.2 | 717 | very turbid | |
| 9-6-01 | 1212 | disp B/Ler | | 5.0 | 21.83 | 7.51 | 13.1 | 703 | very turbid | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing
 b. NAPL - nonaqueous phase liquid
 c. Gallons per minute

d. Cumulative gallons
 e. Depth to water

f. Standard units
 g. °C, unless °F noted

h. Specific conductance, μmhos/cm (or μS/cm)
 i. Visual unless otherwise noted.

1 well vol = 1.0 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

22.08 1053

| Job Number | | Well No. and Type: | | Static Water Depth (ft TOC*): | | at | | hrs. | | at | | hrs. | |
|------------|------|-------------------------------|--------------|-------------------------------|---------------------------|-----------|--------------------|--------------------------|------------------------|----------|--|------|--|
| Site: | | Initial Total Depth (ft TOC): | | Depth to NAPL ^b | | NA | | | | | | | |
| Developers | | Final Total Depth (ft TOC): | | Weather: | | 75° sunny | | | | | | | |
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH | Temp. ^f | Spec. Cond. ^h | Turbidity ⁱ | Comments | | | |
| 9-8-01 | 1105 | water | | 1.0 | 22.08 | 7.60 | 15.3 | 662 | Very Turbid | | | | |
| 9-8-01 | 1120 | water | | 8.75 | 34.62 | 7.72 | 16.2 | 622 | Very Turbid | | | | |
| 9-6-01 | 1131 | water | | 17.5 | 34.62 33.91 | 7.39 | 14.6 | 614 | Very Turbid | | | | |
| 9-6-01 | 1141 | water | | 26.25 | 35.65 | 7.41 | 13.9 | 613 | Very Turbid | | | | |
| 9-6-01 | 1149 | water | | 35 | 37.60 | 7.51 | 13.9 | 645 | Very Turbid | | | | |
| 9-6-01 | 1200 | water | | 43.75 | 39.01 | 7.49 | 14.5 | 649 | Very Turbid | | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.

b. NAPL - nonaqueous phase liquid.

c. Gallons per minute.

d. Cumulative gallons

e. Depth to water.

f. Standard units

g. °C, unless °F noted.

h. Specific conductance, μmhos/cm (or μS/cm).

i. Visual unless otherwise noted.

1 well conf = 8.60

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

2/98 1054

| Job Number | Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
|------------|--------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| 551000 | 9-6-01 | 1107 | Dip Valve | | end | 21.98 | 7.93 | 16.4 | 7.93 | Brown SILTY | |
| | | 1112 | | | 4.25 | 21.97 | 7.39 | 13.5 | 7.52 | 11 | |
| | | 1124 | | | 8.50 | 21.94 | 7.46 | 14.3 | 7.76 | 11 | |
| | | 1136 | | | 12.75 | 21.96 | 7.41 | 13.3 | 7.16 | 11 | |
| | | 1150 | | | 17.0 | 21.95 | 7.45 | 13.5 | 8.00 | 11 | |
| | | 1159 | | | 21.25 | 21.94 | 7.43 | 13.5 | 7.00 | | |
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Well No. and Type: HMW- 41 Static Water Depth (ft TOC): at hrs. at hrs.

Initial Total Depth (ft TOC): 47.96 Depth to NAPL: NA at hrs.

Final Total Depth (ft TOC): 47.94 Weather: 75 Sunny

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

- a. Top of casing.
- b. NAPL - nonaqueous phase liquid.
- c. Gallons per minute.
- d. Cumulative gallons
- e. Depth to water.
- f. Standard units
- g. °C, unless °F noted.
- h. Specific conductance, μmhos/cm (or μS/cm).
- i. Visual unless otherwise noted.

1 well val = 4.23 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Job Number | Developers | Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity | Comments |
|------------|--------------------|------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|-------------|----------|
| 9-6-01 | M. Chavabel, Sheed | 1517 | | water | | 1.1 | 23.21 | 7.55 | 18.7 | 911 | very turbid | |
| 9-6-01 | | 1522 | | water | | 6.0 | 23.20 | 7.44 | 16.1 | 995 | very turbid | |
| 9-6-01 | | 1527 | | water | | 12.0 | 23.20 | 7.67 | 17.16.3 | 930 | very turbid | |
| 9-6-01 | | 1534 | | water | | 18.0 | 23.20 | 7.34 | 15.5 | 1003 | very turbid | |
| 9-6-01 | | 1540 | | water | | 24.0 | 23.20 | 7.32 | 15.1 | 977 | very turbid | |
| 9-6-01 | | 1546 | | water | | 22.0 | 23.20 | 7.30 | 14.9 | 108 | very turbid | |
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Well No. and Type: HW-316044
 Initial Total Depth (ft TOC): 80.5
 Final Total Depth (ft TOC): 80.44
 Static Water Depth (ft TOC): at hrs.
 Depth to NAPL: AT at hrs.
 Weather: 80.5 wind

IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons.
 e. Depth to water.
 f. Standard units.
 g. °C, unless °F noted.
 h. Specific conductance, μmhos/cm (or μS/cm).
 i. Visual unless otherwise noted.

total vol = 6.0 gal

sheet of 1
 24.00 7:00

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments | Static Water Depth (ft. TOC ^a): at hrs. | |
|--------|------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|----------|---|-----------------------------|
| | | | | | | | | | | | Initial Total Depth (ft TOC): | Final Total Depth (ft TOC): |
| 9-1-01 | 750 | Wetland | | with | 24.00 | 6.80 | 15.6 | 851 | Very turbid | | | |
| | 755 | " | | 4.25 | 23.98 | 7.12 | 14.2 | 876 | " | | | |
| | 802 | " | | 8.50 | 23.99 | 7.16 | 13.7 | 898 | " | | | |
| | 807 | " | | 12.75 | 24.0 | 7.16 | 13.3 | 895 | " | | | |
| | 813 | " | | 17.0 | 23.99 | 7.17 | 13.1 | 905 | " | | | |
| | 817 | " | | 21.25 | 23.98 | 7.18 | 13.1 | 901 | " | | | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.

d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.

h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

well vol = 4.25 gal

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Static Water Depth (ft TOC) ^b : at hrs. | Depth to NAPL ^b N/A at hrs. | Weather: INDOORS |
|--------|-------|--------------|--------------|----------------------------|------------------|-----------------|--------------------|--------------------------|------------------------|--|--|------------------|
| 9-5-01 | 18:01 | Disposale | | initial | 25.42 | 7.30 | 12.7 | 709 | | | | |
| | 18:03 | | | .75 | 25.42 | 7.21 | 12.5 | 702 | | | Very turbid | |
| | 18:04 | | | 1.5 | | 7.20 | 12.5 | 728 | | | " | |
| | 18:05 | | | 2.25 | | 7.19 | 12.4 | 664 | | | " | |
| | 18:06 | | | 3.0 | | 7.20 | 12.4 | 641 | | | " | |
| | 18:07 | | | 3.75 | 25.42 | 7.21 | 12.4 | 691 | | | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

1700

| Job Number <u>5BE002</u> Site: <u>Area Street</u> Developers | | Well No. and Type: <u>HMW-331</u> | | Static Water Depth (ft TOC ^a): _____ at _____ hrs. Depth to NAPL ^b : <u>N/A</u> at _____ hrs. Weather: <u>Indoors</u> | | | | | | |
|--|------------------|-----------------------------------|--------------|--|------------------|-----------------|--------------------|--------------------------|------------------------|----------|
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^e | pH ^f | Temp. ^g | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9-6-01 | 17:29 | DISPOSABLE EQUIP | | 5.2 | 25.60 | 7.43 | 13.8 | 943 | clear | |
| | 17:37 | stainless steel bailer | | 3.75 | | 7.33 | 13.0 | 894 | very turbid | |
| | 17:44 | waterz | | 7.5 | 27.1 | 7.28 | 13.2 | 885 | " | |
| | 17:50 | " | | 11.25 | 26.05 | 7.27 | 12.9 | 903 | " | |
| | 17:56 | " | | 15.0 | 25.94 | 7.26 | 12.9 | 904 | " | |
| | 18:01 | " | | 18.75 | 25.82 | 7.27 | 13.0 | 802 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing
 b. NAPL - nonaqueous phase liquid.
 c. Gallons per minute.
 d. Cumulative gallons
 e. Depth to water.
 f. Standard units
 g. °C, unless °F noted.
 h. Specific conductance, µmhos/cm (or µS/cm).
 i. Visual unless otherwise noted.

HULL & ASSOCIATES, INC. WELL DEVELOPMENT FORM

24.40 17:00

| Job Number <u>SB 300</u> Site: <u>Area A</u> Developers: <u>M. Cherchol</u> | | Well No. and Type: <u>HMW-210</u> Initial Total Depth (ft IOC): <u>44.65</u> Final Total Depth (ft IOC): <u>44.60</u> | | | | Static Water Depth (ft IOC): at <u> </u> hrs. at <u> </u> hrs. Depth to NAPL: <u>N/A</u> Weather: <u>Fair</u> | | | | |
|---|---------------------------|---|--------------|----------------------------|------------------|---|--------------------|--------------------------|------------------------|----------|
| Date | Time | Purge Method | Pumping Rate | Volume Purged ^d | DTW ^a | pH ⁱ | Temp. ^e | Spec. Cond. ^h | Turbidity ⁱ | Comments |
| 9.5.01 | 17:27 | Disposible Paillet | | <u>und</u> | 24.40 | 7.38 | 15.3 | 957 | sl. turbid | |
| | 17:31 | | | 3.5 | 24.41 | 7.34 | 13.6 | 906 | very turbid | |
| | 17:36 | | | 7.0 | 24.41 | 7.24 | 13.3 | 916 | " | |
| | 17:42 | | | 10.5 | | 7.28 | 12.9 | 913 | " | |
| | 17:47 | | | 14.0 | | 7.26 | 13.0 | 906 | " | |
| | 17:52 17:52 | | | 17.5 | 24.41 | 7.25 | 12.8 | 924 | " | |
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IMHOFF CONE TEST

Start Time: _____ Volume Water: _____ End Time: _____ Volume Sediment: _____

a. Top of casing.
b. NAPL - nonaqueous phase liquid.
c. Gallons per minute.

d. Cumulative gallons
e. Depth to water.

f. Standard units
g. °C, unless °F noted.

h. Specific conductance, μmhos/cm (or μS/cm).
i. Visual unless otherwise noted.

APPENDIX C

Monitoring Well Groundwater Sampling Field Data Sheets

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. SB-1
 Site Location Huckins
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Cloudy 70's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 17.81 feet Total Depth of Well 24.66 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet SB1002: SB1: 6.09 Depth: 50?
 Sample Date 9-20-01 @ 7:30 Sample No. _____
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|-------------------------|-------------------|-----------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units L at 25°C | Turbidity Units | Units | Units |
| 10:31 | NA | Static Conditions | 10.9 7.11 | 7.11 | 1082 | sl. clear | | |
| 10:33 | 1.0 | 1 | 10.9 | 7.05 | 1107 | Turbid | | |
| 10:35 | 2.0 | 2 | 10.9 10.9 | 7.09 | 1119 | " | | |
| 10:37 | 3.0 | 3 | 10.9 | 7.04 | 1127 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .80 Gallons

Comments little slown

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____



Hull & Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. Hmw-1D
 Site No. _____ Site Location underground pipe & vault
 Project No. & Phase _____
 Weather Conditions & Approx. Air Temperature 60° foggy
 Type of Well Construction 2" pvc
 Condition of Well (Good / Poor); if poor, specify _____
 Cap Locked (Yes / No) _____ Lock No. _____
 Depth to Water 21.16 feet Total Depth of Well 80.15 feet
 NAPL (Yes / No), Depth to NAPL _____ feet
 NAPL Thickness _____ feet
 Sample Date 9-14-01 @ 1720 Sample No. SB1000: Hmw1D: 091801:50
 Purging Method 2" bender

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|-------------------------------|-------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>45</u> at 25°C | Units _____ | Units _____ | Units _____ |
| 736 | NA | Static Conditions | 14.5 | 7.77 | 544 | | | |
| 803 | 10.0 | 1 | 13.1 | 7.83 | 533 | | | |
| 837 | 20.0 | 2 | 13.2 | 7.89 | 518 | | | |
| 9:04 | 30.0 | 3 | 13.4 | 7.91 | 527 | | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 9.6 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ NAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Beach Well I.D. HMW-1E
 Site No. _____ Site Location W&Y
 Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature 2" ~~5~~ overcast 75°s
 Type of Well Construction _____
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 22.08 feet Total Depth of Well 48.22 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet ; ;
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 @ 1710 Sample No. SB1002: HMW1E: G09801
 Purging Method bailer 523

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|------------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>µ</u> at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 15:31 | NA | Static Conditions | 12.4 | 7.13 | 691 | clear | | |
| 15:37 | 4.5 | 1 | 11.1 | 7.29 | 689 | sl. clear | | |
| 15:43 | 9.0 | 2 | 11.1 | 7.37 | 690 | Turbid | | |
| | 13.5 | 3 | 10.8 | 7.34 | 696 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 4.26 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMMW-15
 Site Location W7#4
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Overcast 75°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 21.95 feet Total Depth of Well 2428 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 @ 1700 Sample No. SB1002:HMMWS:G091801:523
 Purging Method bailey

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | Turbidity Units | Units | Units |
| 15:49 | NA | Static Conditions | 10.5 | 7.52 | 394 | Clear | | |
| 15:50 | .5 | 1 | 10.4 | 7.50 | 437 | sl. clear | | |
| 15:51 | 1.0 <u>W4</u> | 2 | 10.2 | 7.48 | 489 | Turbid | | |
| 15:52 | 1.5 <u>W4</u> | 3 | 10.2 | 7.45 | 507 | Turbid | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 138 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-15
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 80°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 23.27 feet Total Depth of Well 24.24 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1555 Sample No. SBI002: MW15: 609174: 523
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 13:31 | NA | Static Conditions | 12.2 | 6.82 | 753 | clear | | |
| 13:32 | .25 | 1 | 11.4 | 6.82 | 715 | Sl. clear | | |
| 13:33 | .50 | 2 | 10.9 | 6.82 | 748 | " | | |
| 13:34 | .75 | 3 | 10.7 | 6.84 | 759 | Clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .15 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-17
 Site Location Allied
 Site No. _____ Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 80°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) yes Lock No. 3476
 Depth to Water 23.12 feet Total Depth of Well 78.15 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1540 Sample No. SBI002: MW17: 6091701: 523
 Purging Method Sailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 13:30 | NA | Static Conditions | 14.0 | 7.14 | 589 | clear | | |
| 13:36 | 9.0 | 1 | 10.6 | 7.10 | 539 | " | | |
| 13:45 | 18.0 | 2 | 11.1 | 7.36 | 552 | sl. turbid | | |
| 13:59 | 27.0 | 3 | 11.7 | 7.45 | 486 | clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 8.97 Gallons

Comments Slow to Recharge

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-23
 Site No. _____ Site Location ~~Attired UG&V~~
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Sunny 75°S
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) _____ Lock No. _____
 Depth to Water 19.50 feet Total Depth of Well 24.70 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 @ 1620 Sample No. SBI002:HM23:G091801:528
 Purging Method Bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 14:55 | NA | Static Conditions | 14.1 | 6.93 | 586 | Clear | | |
| 14:57 | 1.0 | 1 | 12.6 | 7.11 | 587 | Turbid | | |
| 14:59 | 2.0 | 2 | 11.7 | 7.16 | 594 | Turbid | | |
| 15:01 | 3.0 | 3 | 11.6 | 7.21 | 595 | Turbid | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 85 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-35
 Site No. _____ Site Location Huckins
 Project No. & Phase 935002
 Weather Conditions & Approx. Air Temperature Cloudy
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 21.13 feet Total Depth of Well 25.70 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-20-01 @ 8:30 Sample No. CB1002; HMW35; G092001:32
 Purging Method Bailed

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|------------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>u</u> at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 11:15 | NA | Static Conditions | 11.2 | 7.17 | 974 | sl. Turbid | | |
| 11:16 | 0.75 | 1 | 10.6 | 7.18 | 987 | Very Turbid | | |
| 11:17 | 1.50 | 2 | 10.2 | 7.19 | 977 | " " | | |
| 11:18 | 2.25 | 3 | 11.0 | 7.19 | 1011 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 0.74 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-45
 Site No. _____ Site Location Huckins
 Project No. & Phase STJ002
 Weather Conditions & Approx. Air Temperature Cloudy 65°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 21.06 feet Total Depth of Well 24.71 feet
 LNAPL (Yes / No), Depth to LNAPL NEL ; feet ;
 LNAPL Thickness _____ feet
 Sample Date 9-20-01 @ 815 Sample No. SBT002: HMW45: G09200:528
 Purging Method Bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|-------------------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 11:04 | NA | Static Conditions | 12.8 12.8 | 7.23 | 546 | sl clear | | |
| 11:06 | 0.75 | 1 | 12.8 | 7.25 | 565 | Very turbid | | |
| 11:08 | 1.50 | 2 | 12.8 | 7.25 | 564 | " " | | |
| 11:09 | 2.25 | 3 | 12.8 | 7.24 | 546 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .59 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMMW5 S
 Site Location Hankins
 Site No. _____ Project No. & Phase SBT002
 Weather Conditions & Approx. Air Temperature Cloudy 65°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 21.05 feet Total Depth of Well 24.68 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-20-01 @ 8:05 Sample No. SBT002; HMMW5S: 60920011523
 Purging Method bauler

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 10:52 | NA | Static Conditions | 11.1 | 7.04 | 1051 | 5/Clear | | |
| 10:54 | 0.75 | 1 | 10.6 | 7.13 | 1034 | very turbid | | |
| 10:55 | 1.50 | 2 | 10.3 | 7.12 | 1038 | " " | | |
| 10:57 | 2.25 | 3 | 10.2 | 7.12 | 1035 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .59 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW 6D
 Site Location Huckins
 Site No. _____ Project No. & Phase 551002
 Weather Conditions & Approx. Air Temperature Cloudy 40°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 20.20 feet Total Depth of Well 84.93 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-20-01 @ 7:55 Sample No. SB1002; HMW6D: 6092001-573
 Purging Method leak

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 10:20 | NA | Static Conditions | 13.8 | 7.29 | 823 | clear | | |
| 10:24 | 10.75 | 1 | 10.5 | 7.30 | 871 | " | | |
| 10:33 | 21.5 | 2 | 10.3 | 7.27 | 755 | " | | |
| 10:41 | 32.25 | 3 | 10.2 | 7.27 | 872 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 10.55 Gallons

Comments File Sheen

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMMW-65
 Site Location Huckins
 Site No. _____ Project No. & Phase SBE002
 Weather Conditions & Approx. Air Temperature Cloudy 70's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 20.50 feet Total Depth of Well 23.76 feet
 LNAPL (Yes / No), Depth to LNAPL NE L feet
 LNAPL Thickness _____ feet
 Sample Date 4-20-01 @ 7:40 Sample No. SBE002: HMMW-65: 6092001 D: 503
 Purging Method ba.ler

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 10:20 | NA | Static Conditions | 12.5 | 6.87 | 1124 | sl clear | | |
| 10:22 | 0.75 | 1 | 11.5 | 6.94 | 1076 | turbid | | |
| 10:24 | 1.5 | 2 | 11.5 | 6.95 | 969 | very turbid | | |
| 10:26 | 2.25 | 3 | 11.0 | 6.96 | 1079 | turbid | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 153 Gallons

Comments Little Sheen

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-75
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Cloudy 80°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 23.12 feet Total Depth of Well 27.88 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 17:45 Sample No. SBI002:HMW75:G091701:523
 Purging Method _____

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 15:08 | NA | Static Conditions | 11.0 | 6.81 | 666 | Turbid | | |
| 15:11 | 1.0 | 1 | 10.4 | 6.97 | 665 | Very Turbid | | |
| 15:13 | 2.0 | 2 | 9.8 | 7.00 | 670 | " " | | |
| 15:14 | 3.0 | 3 | 9.7 | 7.02 | 674 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .78 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. Nmw-87
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Cloudy 80's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 22.88 feet Total Depth of Well 71.34 feet
 LNAPL (Yes / No), Depth to LNAPL Nil feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-91 @ 16:30 Sample No. SBI002: Nmw85: G0917d: 523
 Purging Method Leck Pump

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 14:32 | NA | Static Conditions | 14.4 | 7.51 | 465 | clear | | |
| 14:39 | 8 | 1 | 11.6 | 7.39 | 629 | sl. clear | | |
| 14:44 | 110 | 2 | 10.7 | 7.23 | 813 | sl. clear | | |
| 14:48 | 24 | 3 | 10.4 | 7.21 | 825 | sl. clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 7.90 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-8I
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Cloudy 80's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 22.82 feet Total Depth of Well 49.32 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1640 Sample No. SBI002:HMW8I:G-09170:523
 Purging Method _____

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|-------------------------|------------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 14:34 | NA | Static Conditions | 12.5 11.4 | 7.37 7.5 | 760 425 | Clear | | |
| 14:42 | 4.5 | 1 | 10.8 | 7.22 | 835 | sl. clear | | |
| 14:47 | 9.0 | 2 | 10.5 | 7.22 | 836 | Turbid | | |
| 14:51 | 13.5 | 3 | 10.1 | 7.21 | 854 | sl. clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 4.32 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. Hmw-85
 Site Location Allied
 Site No. _____ Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 80°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 22.69 feet Total Depth of Well 24.67 feet
 LNAPL (Yes / No), Depth to LNAPL NEL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1650 Sample No. SBI002: Hmw85: 6091701: 52P
 Purging Method _____

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 14:53 | NA | Static Conditions | 10.8 | 7.05 | 693 | clear | | |
| 14:56 | .50 | 1 | 10.7 | 7.03 | 697 | very turbid | | |
| 14:57 | 1.0 | 2 | 10.4 | 7.04 | 692 | " " | | |
| 14:59 | 1.5 | 3 | 10.3 | 7.06 | 674 | | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 33 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-8D
 Site Location Allieel
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature cloudy 80's
 Type of Well Construction 2" well
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 21.88 feet Total Depth of Well 44.64 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1515 Sample No. SB1002: MW8D: 6091761: 523
 Purging Method tailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | turbidity Units | Units | Units |
| 13:00 | NA | Static Conditions | 13.6 | 6.94 | 824 | clear | | |
| 13:03 | 3.75 | 1 | 11.8 | 7.08 | 803 | clear | | |
| 13:07 | 7.50 | 2 | 11.2 | 7.14 | 780 | clear | | |
| 13:12 | 11.25 | 3 | 10.9 | 7.15 | 848 | clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.71 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-85
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Cloudy 80's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 2185 feet Total Depth of Well 23.67 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1530 Sample No. SBI002:mw85:6091701:523
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|------------------------------|-------------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>µ</u> at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 13:15 | NA | Static Conditions | 10.9 | 7.08 | 662 | SI Sl. Clear | | |
| 13:16 | .50 | 1 | 10.4 | 7.18 | 661 | Sl. Clear | | |
| 13:17 | 1.0 | 2 | 10.0 | 7.17 | 681 | " | | |
| 13:18 | 1.5 | 3 | 10.0 | 7.18 | 646 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .30 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

HMW-9D

Client South Bend Well I.D. _____
 Site Location _____
 Site No. _____ Project No. & Phase _____
 Weather Conditions & Approx. Air Temperature 7
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 23.16 feet Total Depth of Well 64.81 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 1620 Sample No. SBI00:HMW9D:G091901:503
 Purging Method Leak

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------|-------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | Units | Units | Units |
| | NA | Static Conditions | 11.4 | 7.12 | 1185 | | | |
| | 7.0 | 1 | 10.4 | 7.19 | 1183 | | | |
| | 14.0 | 2 | 10.1 | 7.18 | 1184 | | | |
| | 21.0 | 3 | 10.1 | 7.17 | 1188 | | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 6.79 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-98I
 Site No. _____ Site Location Allied MAY
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Indoors
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.17 feet Total Depth of Well 30.06 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 1540 Sample No. SBI002: HMW9I:G09190
 Purging Method bailer 521

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|-----------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| | NA | Static Conditions | 11.0 | 6.94 | 1002 | Clear | | |
| | | 1 | 11.0 | 7.27 | 1008 | clear | | |
| | | 2 | 10.2 | 7.24 | 1128 | sl/clear | | |
| | | 3 | 10.0 | 7.21 | 1140 | | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 4.22 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMLW-935
 Site Location Allied (MAY)
 Site No. _____ Project No. & Phase SBI002

Weather Conditions & Approx. Air Temperature Inchors

Type of Well Construction 2"

Condition of Well (Good / Poor); if poor, specify Good

Cap Locked (Yes / No) Yes Lock No. 3476

Depth to Water 24.00 feet Total Depth of Well 34.04 feet

LNAPL (Yes / No), Depth to LNAPL NL feet

LNAPL Thickness _____ feet

Sample Date 9-19-01 @ 1530 Sample No. _____

Purging Method bailed

SBI002:HMLW95:G091901:52

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------|-------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | Units | Units | Units |
| | NA | Static Conditions | 10.4 | 7.12 | 972 | | | |
| | 1.75 | 1 | 10.1 | 7.06 | 965 | | | |
| | 3.50 | 2 | 10.0 | 7.06 | 971 | | | |
| | 5.25 | 3 | 9.9 | 7.08 | 1002 | | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 1.63 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMLW-105
 Site No. _____ Site Location Allied
 Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Sunny 75°S
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.55 feet Total Depth of Well 28.20 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date . 11:40 Sample No. SB1002: HMLW105
 Purging Method _____

| WELL PURGING | | | PARAMETERS | | | | | |
|------------------|---|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 11:20 | NA | Static Conditions | 14.2 | 6.80 | 919 | sl. Turbid | | |
| 11:22 | .75 | 1 | 12.5 | 6.83 | 941 | Turbid | | |
| 11:24 | 1.5 | 2 | 11.8 | 6.84 | 953 | " | | |
| 11:26 | 2.25 | 3 | 11.4 | 6.85 | 951 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .59 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Lead Well I.D. HMW-11D
 Site No. _____ Site Location Allied
 Project No. & Phase SB2002
 Weather Conditions & Approx. Air Temperature Sunny 75°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. _____
 Depth to Water 24.20 feet Total Depth of Well 68.65 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 9:50 Sample No. SB2002: HMW-11D: 7091801.5
 Purging Method keck

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|-------------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>lc</u> at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 9:00 | NA | Static Conditions | 13.9 | 7.07 | 805 | clear | | |
| 9:05 | 7.25 | 1 | 11.7 | 7.15 | 793 | sl. clear | | |
| 9:10 | 14.50 | 2 | 10.9 | 7.18 | 803 | clear | | |
| 9:15 | 21.75 | 3 | 10.8 | 7.18 | 803 | clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 7.25 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-11I
 Site Location Allied
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Sunny 75°s
 Type of Well Construction _____
 Condition of Well (Good / Poor); if poor, specify _____
 Cap Locked (Yes / No) _____ Lock No. _____
 Depth to Water 23.93 feet Total Depth of Well 38.00 feet
 LNAPL (Yes / No), Depth to LNAPL NIC feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-9 10:00 Sample No. SB1002: HMW11I: G091801: S05
 Purging Method Bailer HMW11I: G091801: S05
SB1002: ~~G091801: S05~~

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 9:03 | NA | Static Conditions | 13.1 | 7.13 | 629 | Clear | | |
| 9:06 | 2.5 | 1 | 11.0 | 7.23 | 688 | sl. Turbid | | |
| 9:09 | 5.0 | 2 | 10.4 | 7.22 | 731 | sl. Clear | | |
| 9:12 | 7.5 | 3 | 10.6 | 7.23 | 736 | Clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 2.29 Gallons

Comments Sheen on surface, few oil spots on surface, strong odor

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-115
 Site Location Allied
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Cloudy / lt. Rainy 75°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.38 feet Total Depth of Well 29.04 feet
 LNAPL (Yes / No), Depth to LNAPL Nil feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 6:20 Sample No. SB1002:MW115:6091801:505
 Purging Method ba. ler

6. 301

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------|---------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | Turbid. Units | Units | Units |
| 17:10 | NA | Static Conditions | 10.4 | 7.15 | 797 | clear | | |
| 17:12 | .75 | 1 | 10.5 | 7.12 | 923 | sl. turbid | | |
| 17:13 | 1.5 | 2 | 10.3 | 7.14 | 908 | " " | | |
| 17:14 | 2.25 | 3 | 10.3 | 7.16 | 897 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 600 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client Southern Bend Well I.D. MW-11D
 Site No. _____ Site Location Allied
 Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature cloudy / lt. Rain
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3474
 Depth to Water 25.30 feet Total Depth of Well 44.11 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 6:25 Sample No. SB1002:MW11D:4091801:505
 Purging Method Bailer

9-18-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | Turbidity Units | Units | Units |
| 16:55 | NA | Static Conditions | 12.3 | 7.07 | 816 | clear | | |
| 16:59 | 3.75 | 1 | 10.4 | 7.12 | 839 | clear | | |
| 17:03 | 7.50 | 2 | 10.2 | 7.17 | 805 | clear | | |
| 17:07 | 10.75 | 3 | 9.9 | 7.17 | 790 | clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.06 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW12S
 Site No. _____ Site Location Allied
 Project No. & Phase SBT002
 Weather Conditions & Approx. Air Temperature Indoors
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.69 feet Total Depth of Well 29.60 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 1330 Sample No. SBT002: HMW12S: G091901
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | Turbidity Units | Units | Units |
| 8:47 | NA | Static Conditions | 11.0 | 6.89 | 1183 | sl. Tur. | | |
| 8:49 | 1.0 | 1 | 10.0 | 6.97 | 1168 | Very Tur. | | |
| 8:51 | 1.0 | 2 | 9.6 | 7.02 | 1183 | " " | | |
| 8:53 | 1.0 | 3 | 9.3 | 7.02 | 1182 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .80 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-12D
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Sunny 70°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.17 feet Total Depth of Well 166.25 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 8:30 Sample No. SBI002:HMW12D:4091801:5
 Purging Method Keck

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|------------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>µ</u> at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 7:35 | NA | Static Conditions | 14.3 | 6.99 | 767 | Clear | | |
| 7:40 | 6.75 | 1 | 10.9 | 7.07 | 844 | clear | | |
| 7:45 | 13.5 | 2 | 10.5 | 7.10 | 846 | " | | |
| 7:50 | 20.25 | 3 | 10.5 | 7.11 | 855 | clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 6.69 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-135
 Site Location UG & V
 Site No. _____ Project No. & Phase SIB2002
 Weather Conditions & Approx. Air Temperature overcast 75°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) yes Lock No. 3476
 Depth to Water 22.60 feet Total Depth of Well 27.77 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 @ 1545 Sample No. SIB2002; HMW135; G091801.520
 Purging Method bailler

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 15:08 | NA | Static Conditions | 12.3 | 7.02 | 797 | turbid | | |
| 15:10 | 1.0 | 1 | 11.5 | 7.14 | 659 | Very Turbid | | |
| 15:12 | 2.0 | 2 | 11.0 | 7.21 | 780 | Very turbid | | |
| 15:14 | 3.0 | 3 | 10.6 | 7.20 | 804 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .84 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend

Well I.D. HMW-13D

Site Location Allied

Site No. _____

Project No. & Phase SBI002

Weather Conditions & Approx. Air Temperature Indoor

Type of Well Construction 2"

Condition of Well (Good / Poor); if poor, specify Good

Cap Locked (Yes / No) Yes

Lock No. 3476

Depth to Water 25.10 feet

Total Depth of Well 66.05 feet

LNAPL (Yes / No), Depth to LNAPL NIL feet

LNAPL Thickness _____ feet

Sample Date 9-19-01 @ 1250

Sample No. SBI002:HMW13D:6091901:52

Purging Method KECK

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|------------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>µ</u> at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 9:14 | NA | Static Conditions | 13.4 | 7.12 | 1110 | Clear | | |
| 9:17 | 6.75 | 1 | 11.0 | 7.20 | 1117 | " | | |
| 9:22 | 13.5 | 2 | 10.3 | 7.22 | 1128 | " | | |
| 9:27 | 20.25 | 3 | 10.2 | 7.22 | 1125 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 6.67 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-135
 Site Location Allied
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Indoors
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.11 feet Total Depth of Well 28.12 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 1240 Sample No. SB1002:mw135:6091901:52
 Purging Method bailler

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 9:28 | NA | Static Conditions | 10.3 | 7.02 | 1218 | sl. clear | | |
| 9:29 | 0.50 | 1 | 10.1 | 6.97 | 1204 | Turbid | | |
| 9:30 | 1.0 | 2 | 10.0 | 6.98 | 1305 | " | | |
| 9:31 | 1.5 | 3 | 10.0 | 6.98 | 1202 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .49 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

MW-138

Client South Bend Well I.D. MW-138
 Site Location Allied
 Site No. _____ Project No. & Phase SBI002

Weather Conditions & Approx. Air Temperature Indoors

Type of Well Construction 2"

Condition of Well (Good / Poor); if poor, specify Good

Cap Locked (Yes / No) Yes Lock No. 3476

Depth to Water 25.20 feet Total Depth of Well 44.53 feet

LNAPL (Yes / No), Depth to LNAPL NIL feet

LNAPL Thickness _____ feet

Sample Date 9-19-01 @ 1300 Sample No. SBI002:MW13D:G0919d:52

Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|------------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>µ</u> at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 9:15 | NA | Static Conditions | 12.0 | 7.18 | 1134 | sl. Clear | | |
| 9:18 | 3.25 | 1 | 10.5 | 7.21 | 1141 | " " | | |
| 9:21 | 6.50 | 2 | 10.2 | 7.25 | 1146 | " " | | |
| 9:24 | 9.75 | 3 | 10.1 | 7.25 | 1160 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.15 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

MW-14

Client South Bend Well I.D. MW-14
 Site Location Allied
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Cloudy / lt. Rain 60's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes/No) (No) Lock No. _____
 Depth to Water (NA) 25.14 feet Total Depth of Well (NA) 30.04 feet
 LNAPL (Yes / No), Depth to LNAPL Nil feet
 LNAPL Thickness _____ feet
 Sample Date 9-20-01 @ 845 Sample No. SB1002: MW14: 092001: 573
 Purging Method bailey

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 14:26 | NA | Static Conditions | 11.3 | 6.94 | 1123 | Clear | | |
| 14:28 | 1.0 | 1 | 10.8 | 6.98 | 1096 | Turbid | | |
| 14:30 | 2.0 | 2 | 10.6 | 7.04 | 1135 | " | | |
| 14:32 | 3.0 | 3 | 10.4 | 7.03 | 1132 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .80 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-145
 Site No. _____ Site Location SBL
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 65°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.53 feet Total Depth of Well 31.26 feet
 LNAPL (Yes / No); Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 1145 Sample No. SBI002: HMW145: G091901 D: 523
 Purging Method Bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 6:47 | NA | Static Conditions | 11.4 | 6.97 | 1120 | sl. Turbid | | |
| 6:49 | 1.25 | 1 | 10.2 | 6.98 | 1093 | very turbid | | |
| 6:51 | 2.50 | 2 | 9.6 | 7.00 | 1094 | " " | | |
| 6:53 | 3.75 | 3 | 9.5 | 6.99 | 1111 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 1.10 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW155
 Site No. _____ Site Location SBC
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 65°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.82 feet Total Depth of Well 29.91 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 1040 Sample No. SBI002: Hmw155: 691901: 523
 Purging Method Bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|-------------------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 7:16 | NA | Static Conditions | 11.7 10.7 | 6.96 | 1156 1241 | sl. turbid | | |
| 7:18 | 1.0 | 1 | 10.7 | 6.95 | 1241 | Turbid | | |
| 7:20 | 2.0 | 2 | 10.2 | 7.01 | 1258 | " | | |
| 7:22 | 3.0 | 3 | 10.2 | 6.97 | 1260 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .03 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW15D
 Site No. _____ Site Location SBL
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 65°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.85 feet Total Depth of Well 62.50 feet
 LNAPL (Yes / No), Depth to LNAPL Nil feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 1048 Sample No. SBI002: HMW15D: G091901:52
 Purging Method Leak

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|--|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units $\frac{\mu}{\text{m}}$ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 7:15 | NA | Static Conditions | 13.6 | 7.05 | 1324 | clear | | |
| 7:20 | 6.25 | 1 | 10.5 | 7.09 | 1290 | sl. clear | | |
| 7:25 | 12.50 | 2 | 10.0 | 7.11 | 1332 | clear | | |
| 7:30 | 18.75 | 3 | 10.2 | 7.13 | 1277 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 6.14 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-15D
 Site Location Allied
 Site No. _____ Project No. & Phase SIS002
 Weather Conditions & Approx. Air Temperature Cloudy 75's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.78 feet Total Depth of Well 43.29 feet
 LNAPL (Yes / No) Depth to LNAPL N/A feet
 LNAPL Thickness NA feet
 Sample Date 9-18-01 6:35 Sample No. SIS002:MW15D:G091801:505
 Purging Method Sa. ler

0-17-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 17:49 | NA | Static Conditions | 11.4 | 7.09 | 882 | clear | | |
| 17:53 | 3.0 | 1 | 10.3 | 7.18 | 915 | " | | |
| 17:55 | 6.0 | 2 | 10.2 | 7.20 | 932 | " | | |
| 17:58 | 9.0 | 3 | 10.1 | 7.22 | 924 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 2.85 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-16D
 Site Location Allied
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Cloudy/lt. Rain 75°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.30 feet Total Depth of Well 66.32 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 6:15 Sample No. SB1002:HMW16D:G091801:505
 Purging Method Leck

9/18/01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|---------------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 16:54 | NA | Static Conditions | 11.3 3.0 | 6.94 | 872 | Clear | | |
| 16:58 | 6.75 | 1 | 11.1 | 7.11 | 866 | Turbid | | |
| 17:02 | 13.50 | 2 | 10.6 | 7.12 | 875 | sl. Turbid | | |
| 17:06 | 20.25 | 3 | 10.4 | 7.16 | 855 | Clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 6.69 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-17D
 Site Location Allied
 Site No. _____ Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 75's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 26.04 feet Total Depth of Well 65.87 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1820 Sample No. SBI002: HMW17D: 6-979
 Purging Method keck 091701: 503
SH

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 15:58 | NA | Static Conditions | 13.6 | 6.93 | 842 | Clear | | |
| 16:02 | 6.5 | 1 | 11.2 | 7.10 | 837 | sl. clear | | |
| 16:05 | 13.0 | 2 | 10.6 | 7.16 | 849 | clear | | |
| 16:09 | 19.5 | 3 | 10.5 | 7.20 | 852 | clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 6.49 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. Hmw 185
 Site No. _____ Site Location SBL
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Cloudy 65°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.64 feet Total Depth of Well 32.28 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 940 Sample No. SBI002:Hmw185:G091901:500
 Purging Method bauler

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 7:38 | NA | Static Conditions | 11.2 | 6.94 | 1159 | sl. clear | | |
| 7:40 | 1.25 | 1 | 10.9 | 7.03 | 1043 | Very Turbid | | |
| 7:42 | 2.50 | 2 | 10.5 | 7.07 | 1145 | " " | | |
| 7:44 | 3.75 | 3 | 10.3 | 7.08 | 1163 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 1.08 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-194
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 45°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 26.05 feet Total Depth of Well 67.88 feet
 LNAPL (Yes / No), Depth to LNAPL NFL feet
 LNAPL Thickness 0 feet
 Sample Date 9-18-01 6:30 Sample No. SBI002:HMW190:6091801:505
 Purging Method keck

9-17-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 17:48 | NA | Static Conditions | 12.6 | 17.01 | 740 | clear | | |
| 17:52 | 7.0 | 1 | 10.9 | 7.20 | 745 | clear | | |
| 17:56 | 14.0 | 2 | 10.2 | 7.26 | 734 | clear | | |
| 18:00 | 21.0 | 3 | 10.3 | 7.27 | 748 | clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 6.82 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-195
 Site No. _____ Site Location Allied
 Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Sunny 70° S
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3976
 Depth to Water 25.85 feet Total Depth of Well 29.91 feet
 LNAPL (Yes / No), Depth to LNAPL N/A feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 7:30 Sample No. SB1002:HMW195:G091801D:505
 Purging Method _____

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 7:25 | NA | Static Conditions | 11.2 | 6.86 | 726 | clear | | |
| 7:26 | .75 | 1 | 10.6 | 7.01 | 719 | Very turbid | | |
| 7:27 | 1.5 | 2 | 10.0 | 7.03 | 730 | " " | | |
| 7:28 | 2.25 | 3 | 9.9 | 7.04 | 730 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .666 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____



Hull & Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. Hmw-205
 Site Location Allied
 Site No. _____ Project No. & Phase _____
 Weather Conditions & Approx. Air Temperature 65° Sunny
 Type of Well Construction 2" PVC
 Condition of Well (Good / Poor); if poor, specify _____
 Cap Locked (Yes / No) _____ Lock No. _____
 Depth to Water 24.66 feet Total Depth of Well 27.73 feet
 NAPL (Yes / No), Depth to NAPL _____ feet
 NAPL Thickness _____ feet
 Sample Date Sept 5th 9-20-01 @ 930 Sample No. SB1002: Hmw205: 6 092001: 52
 Purging Method _____

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|-------------------------------|-------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>µS</u> at 25°C | Units _____ | Units _____ | Units _____ |
| 926 | NA | Static Conditions | 15.7 | 7.48 | 700 | | | |
| 924 | 0.50 | 1 | 14.3 | 7.14 | 768 | | | |
| 928 | 1.0 | 2 | 14.1 | 7.16 | 777 | | | |
| 932 | 1.50 | 3 | 14.1 | 7.17 | 777 | | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 0.50 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ NAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-21A
 Site No. _____ Site Location Allied
 Project No. & Phase SIT002
 Weather Conditions & Approx. Air Temperature 71/80s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.58 feet Total Depth of Well 43.71 feet
 LNAPL (Yes / No), Depth to LNAPL NEL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 1400 Sample No. SIT002 - HMW21D - 60919d: 523
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 13:54 | NA | Static Conditions | 11.7 | 6.88 | 1150 | clear | | |
| 13:56 | 3.25 | 1 | 10.8 | 7.04 | 1161 | S/Turbid | | |
| 13:58 | 6.50 | 2 | 10.1 | 7.18 | 1167 | Turbid | | |
| 14:00 | 9.75 | 3 | 10.1 | 7.21 | 1168 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.25 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bed Well I.D. HMW-22I
 Site Location Allied
 Site No. _____ Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature overcast 80s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.30 feet Total Depth of Well 54.74 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1420 Sample No. SBI002:HMW22I:G091701:523
 Purging Method bailer

9-17-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | turbidity Units | Units | Units |
| 11:15 | NA | Static Conditions | 13.4 | 6.99 | 754 | clear | | |
| 11:20 | 5.0 | 1 | 11.4 | 7.14 | 768 | " | | |
| 11:26 | 10.0 | 2 | 11.4 | 7.17 | 789 | " | | |
| 11:31 | 15.0 | 3 | 10.9 | 7.36 | 804 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 4.96 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-22D
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Overcast 80's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.77 feet Total Depth of Well 79.40 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 14:30 Sample No. SBI002:HMW22D:G091701:523
 Purging Method Keck

9-17-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|-----------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 11:13 | NA | Static Conditions | 17.1 | 6.80 | 905 | clear | | |
| 11:29 | 9.0 | 1 | 12.1 | 7.72 | 1009 | " | | |
| 11:47 | 18.0 | 2 | 12.8 | 7.44 | 817 | sl. clear | | |
| 12:10 | 27 | 3 | 11.7 | 7.52 | 900 | sl. clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 8.9 Gallons

Comments Recovery very slow

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-23D
 Site Location Allied
 Site No. _____ Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Sunny 60's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3976
 Depth to Water 24.85 feet Total Depth of Well 43.71 feet
 LNAPL (Yes / No), Depth to LNAPL _____ feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 7:10 Sample No. SB1002: MW23D: G091801:50
 Purging Method Bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|----------------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units \downarrow at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 6:35 | NA | Static Conditions | 10.3 | 7.16 | 728 | clear | | |
| 6:37 | 3.25 | 1 | 10.2 | 7.17 | 729 | clear | | |
| 6:39 | 6.50 | 2 | 10.0 | 7.18 | 721 | clear | | |
| 6:41 | 9.75 | 3 | 10.0 | 7.10 | 731 | sl. clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.07 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-235
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Sunny 60's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.10 feet Total Depth of Well 28.17 feet
 LNAPL (Yes / No), Depth to LNAPL NIC feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 7:05 Sample No. SBI002: MW235: G091801: 505
 Purging Method bailer

6:45
6:46
6:47
6:48

| WELL PURGING | | | PARAMETERS | | | | | |
|-----------------|--|---------------------|------------|-------------------|------------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>µ</u> at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 8:20 | NA | Static Conditions | 11.6 | 6.63 | 988 | Clear | | |
| 8:27 | .50 | 1 | 10.9 | 6.65 | 986 | sl. clear | | |
| 8:33 | 1.0 | 2 | 10.8 | 6.67 | 943 943 | " " | | |
| 8:39 | 1.5 | 3 | 10.5 | 6.68 | 1010 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .50 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-235
 Site No. _____ Site Location Allied
 Project No. & Phase SBID002
 Weather Conditions & Approx. Air Temperature Sunny 60°S
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.16 feet Total Depth of Well 29.95 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 7:00 Sample No. SBID002:HMW235:409801:52
 Purging Method _____

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 6:50 | NA | Static Conditions | 10.2 | 6.89 | 843 | clear | | |
| 6:51 | 1.0 | 1 | 10.2 | 6.86 | 851 | sl turbid | | |
| 6:52 | 2.0 | 2 | 10.1 | 6.88 | 831 | " " | | |
| 6:53 | 3.0 | 3 | 10.1 | 6.87 | 849 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .78 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-23D
 Site Location Allied
 Site No. _____ Project No. & Phase SBF002
 Weather Conditions & Approx. Air Temperature Sunny 750s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) yes Lock No. 3476
 Depth to Water 27.12 feet Total Depth of Well 73.11 feet
 LNAPL (Yes / No), Depth to LNAPL NEL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 11:10 Sample No. SBF002:HMW23D:G091801:505
 Purging Method Leck / Bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 10:40 | NA | Static Conditions | 11.9 | 7.40 | 574 | clear | | |
| 10:45 | 7.5 | 1 | 12.0 | 7.46 | 596 | sl. clear | | |
| 10:50 | 15.0 | 2 | 13.0 | 7.69 | 561 | very turbid | | |
| 10:55 | 22.5 | 3 | 11.8 | 7.68 | 583 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 7.50 Gallons

Comments Leck Froze Due to excessive Sand/Silt
Had to bail @ 10 gallon

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-24D
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Sunny 75°S
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.16 feet Total Depth of Well 44.45 feet
 LNAPL (Yes / No), Depth to LNAPL NIC feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 11:00 Sample No. SBI002:MW24D:609189:505
 Purging Method _____

| WELL PURGING | | | PARAMETERS | | | | | |
|------------------|--|---------------------|------------|-------------------|---|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units $\frac{\mu}{\text{m}} \text{ at } 25^\circ\text{C}$ | Turbidity Units _____ | Units _____ | Units _____ |
| 10:42 | NA | Static Conditions | 16.0 | 7.09 | 404 | clear | | |
| 10:45 | 3.5 | 1 | 12.6 | 7.34 | 697 | sl. clear | | |
| 10:48 | 7.0 | 2 | 14.5 | 7.24 | 750 | sl clear | | |
| 10:51 | 10.5 | 3 | | | | | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.31 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

Hull & Associates, Inc.

GROUNDWATER SAMPLING
FIELD DATA SHEET

6/7
2002
4443

Client South Beach Well I.D. HMW-24D
 Site No. _____ Site Location Allied
 Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Cloudy / H. Rain 60°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.83 feet Total Depth of Well 54.15 feet
 LNAPL (Yes / No); Depth to LNAPL NEL feet
 LNAPL Thickness _____ feet
 Sample Date 9-20-01 Q850 Sample No. SB1002: HMW 24D: G090001: 5
 Purging Method leach

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|--------------------------|-------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| <u>14:25</u> | <u>NA</u> | <u>Static Conditions</u> | <u>11.9</u> | <u>6.83</u> | <u>1116</u> | <u>clear</u> | | |
| <u>14:30</u> | <u>5.0</u> | <u>1</u> | <u>10.6</u> | <u>7.13</u> | <u>1112</u> | <u>sl turbid</u> | | |
| <u>14:33</u> | <u>10.0</u> | <u>2</u> | <u>10.3</u> | <u>7.09</u> | <u>1111</u> | <u>clear</u> | | |
| <u>14:36</u> | <u>15.0</u> | <u>3</u> | <u>10.3</u> | <u>7.18</u> | <u>1100</u> | <u>x</u> | | |
| | | <u>4</u> | | | | | | |
| | | <u>5</u> | | | | | | |

One Well Volume Equals 4.78 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-255
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 75°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) yes Lock No. 3476
 Depth to Water 25.0 feet Total Depth of Well 28.43 feet
 LNAPL (Yes / No), Depth to LNAPL nil feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 18:40 Sample No. SBI002:MW255:G091701:509
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 16:12 | NA | Static Conditions | 11.4 | 7.10 | 849 | clear | | |
| 16:15 | .75 | 1 | 10.6 | 7.11 | 821 | very turbid | | |
| 16:16 | 1.5 | 2 | 10.5 | 7.12 | 819 | " " | | |
| 16:17 | 2.25 | 3 | 10.4 | 7.10 | 817 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .56 Gallons

Comments Rusty coloured

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bond Well I.D. MW-25D
 Site No. _____ Site Location Allied
 Project No. & Phase S15T002
 Weather Conditions & Approx. Air Temperature cloudy 75°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3474
 Depth to Water 25.50 feet Total Depth of Well 44.35 feet
 LNAPL (Yes / No), Depth to LNAPL NIC feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 1830 Sample No. SBI002: MW25D: G091701: S02
 Purging Method Sailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 16:00 | NA | Static Conditions | 11.7 | 7.03 | 839 | clear | | |
| 16:04 | 3.25 | 1 | 10.9 | 7.15 | 849 | very turbid | | |
| 16:06 | 6.5 | 2 | 10.4 | 7.16 | 833 | " " | | |
| 16:10 | 9.75 | 3 | 10.2 | 7.21 | 854 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.07 Gallons

Comments Rusty, ~~toxic~~ Coloured

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bendel Well I.D. HMW-255
 Site No. _____ Site Location SBL
 Project No. & Phase SBL002
 Weather Conditions & Approx. Air Temperature overcast 70°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.96 feet Total Depth of Well 29.20 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness # feet
 Sample Date 9-19-01 @ 7:25 Sample No. SBL002:HMW255:G091901:52
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 16:34 | NA | Static Conditions | 11.4 | 6.79 | 793 | Turbid | | |
| 16:36 | .75 | 1 | 10.9 | 6.86 | 783 | very turbid | | |
| 16:38 | 1.5 | 2 | 10.4 | 6.92 | 789 | " " | | |
| 16:40 | 2.25 | 3 | 10.3 | 6.92 | 796 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .53 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-265
 Site No. _____ Site Location SBL
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature overcast 70°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.52 feet Total Depth of Well 27.80 feet
 LNAPL (Yes / No), Depth to LNAPL NFL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 755 Sample No. SBI002: HMW265: 60919d: 52
 Purging Method Bailer

9-17-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 16:42 | NA | Static Conditions | 11.8 | 6.62 | 756 | Turbid | | |
| 16:43 | 0.5 | 1 | 11.2 | 6.73 | 786 | very turbid | | |
| 16:44 | 1.0 | 2 | 10.9 | 6.78 | 775 | " " | | |
| 16:45 | 1.5 | 3 | 10.8 | 6.80 | 785 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 31 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bendel Well I.D. HMW-275
 Site No. _____ Site Location SBL
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature overcast 70°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.85 feet Total Depth of Well 33.08 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 8:20 Sample No. SBI002: HMW275: G091901:56
 Purging Method bailer

918-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 16:24 | NA | Static Conditions | 12.3 | 6.82 | 757 | SI Turbid | | |
| 16:26 | 1.25 | 1 | 11.5 | 6.96 | 741 | vry turbid | | |
| 16:28 | 2.50 | 2 | 10.7 | 7.04 | 746 | " " | | |
| 16:29 | 3.75 | 3 | 10.4 | 7.06 | 728 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 1.17 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-28D
 Site No. _____ Site Location Allied
 Project No. & Phase SD1002
 Weather Conditions & Approx. Air Temperature Sunny 70's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.62 feet Total Depth of Well 40.85 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 8:40 Sample No. SD1002; MW28D; L091801; 505
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|----------------------|---|---------------------|------------|-------------------|---------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | Turbidity Units | Units | Units |
| 7:37 | NA | Static Conditions | 11.8 | 7.02 | 854 | Clear | | |
| 7:40 | 2.75 | 1 | 11.3 | 7.09 | 873 | Sl. Clear | | |
| 7:43 7:43 | 5.50 | 2 | 10.7 | 7.10 | 870 | Turbid | | |
| 7:46 | 8.25 | 3 | 10.3 | 7.11 | 874 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 2.65 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-285
 Site Location Allied
 Site No. _____ Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Sunny 70's
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.08 feet Total Depth of Well 27.60 feet
 LNAPL (Yes / No), Depth to LNAPL NEL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 8:50 Sample No. SBI002: MW285: G09 (801): S05
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 7:48 | NA | Static Conditions | 10.8 | 7.03 | 774 | clear | | |
| 7:49 | .50 | 1 | 10.4 | 7.02 | 632 | Turbid | | |
| 7:50 | 1.0 | 2 | 10.4 | 7.05 | 770 | rc | | |
| 7:51 | 1.5 | 3 | 10.4 | 7.02 | 771 | rc | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .41 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____



Hull & Associates, Inc.
6130 Wilcox Road
Dublin, Ohio 43016

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. MW-30D
 Site No. _____ Site Location Allied
 Project No. & Phase SB1002
 Weather Conditions & Approx. Air Temperature Sunny 20°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify open, no cap on well
 Cap Locked (Yes / No) Lock No. _____
 Depth to Water 10.90 # 15.90 feet Total Depth of Well 43.78 feet
 NAPL (Yes / No), Depth to NAPL NIL feet
 NAPL Thickness _____ feet
 Sample Date 9-20-01 Sample No. _____
 Purging Method Dailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|-------------------------------|-------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units <u>45</u> at 25°C | Units _____ | Units _____ | Units _____ |
| 950 | NA | Static Conditions | 17.1 | 6.86 | 509 | | | |
| 1000 | 4.75 | 1 | 15.2 | 7.42 | 601 | | | |
| 1003 | <u>Ng 27.0</u> | 2 | 15.1 | 7.47 | 607 | | | |
| | | 3 | | | | | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 4.54 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ NAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. Hmw-315
 Site No. _____ Site Location N. Side Sample
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Overcast 80's
 Type of Well Construction 2" well
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 23.34 feet Total Depth of Well 28.26 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 11:40 Sample No. SBI002.HMWS.6091701.523
 Purging Method 2" Dip bailer

9-17-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | turbidity Units _____ | Units _____ | Units _____ |
| 10:40 | NA | Static Conditions | 11.8 | 7.19 | 849 | sl. clear | | |
| 10:41 | 1 | 1 | 11.6 | 7.13 | 857 | very turbid | | |
| 10:43 | 2 | 2 | 11.4 | 7.14 | 773 | " | | |
| 10:44 | 3 | 3 | 11.4 | 7.13 | 820 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .80 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-31I
 Site Location N. side of sample
 Site No. _____ Project No. & Phase 8BI002
 Weather Conditions & Approx. Air Temperature Overcast
 Type of Well Construction 2" well
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water ~~23.02~~ 23.22 feet Total Depth of Well 45.04 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 12:50 Sample No. 5BI002:HMW31I:4091701:52
 Purging Method 2" Disp Bailer 5BI002:HMW31I:4091701:52

9-17-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 10:23 | NA | Static Conditions | 13.7 | 7.10 | 797 | Very turbid | | |
| 10:26 | 3.75 | 1 | 12.7 | 7.18 | 598 | " | | |
| 10:31 | 7.50 | 2 | 11.9 | 7.22 | 813 | " | | |
| 10:35 | 11.25 | 3 | 11.2 | 7.25 | 813 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.56 Gallons

Comments Strong odor

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-31D
 Site Location N. Side sample
 Site No. _____ Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature overcast 80's
 Type of Well Construction 2" well
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) yes Lock No. 3476
 Depth to Water 23.43 feet Total Depth of Well 60.44 feet
 LNAPL (Yes / No), Depth to LNAPL _____ feet
 LNAPL Thickness NIL feet
 Sample Date 9-17-01 11:25 Sample No. SBI002; HMW31D: 4091701: 523
 Purging Method 2" Dip bucket

9-17-01

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|--|-------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units $\frac{\mu}{\text{mho}}$ at 25°C | Units _____ | Units _____ | Units _____ |
| 10:22 | NA | Static Conditions | 16.2 | 6.83 | 851 | clear | | |
| 10:25 | 6.25 | 1 | 13.0 | 7.13 | 815 | clear | | |
| 10:28 | 12.5 | 2 | 12.3 | 7.19 | 860 | clear | | |
| 10:31 | 18.75 | 3 | 11.7 | 7.19 | 860 | clear | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 6.03 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-33D
 Site No. _____ Site Location Allied
 Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Indoors
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.77 ~~28.52~~ (NA) feet Total Depth of Well 29.43 feet
 LNAPL (Yes / No), Depth to LNAPL XIIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-01 @ 1350 Sample No. SBI002: HMW33D:
 Purging Method bailer G9901:503

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|---------------------|------------|-------------------|---------------------------|-----------------------|-------------|-------------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units _____ | Units _____ | Units _____ |
| 12:26 | NA | Static Conditions | 10.8 | 7.13 | 1132 | clear | | |
| 12:38 | 4.0 | 1 | 10.5 | 7.20 | 1130 | Turbid | | |
| 12:42 | 8.0 | 2 | 10.2 | 7.21 | 1133 | " | | |
| 12:48 | 12.0 | 3 | 9.9 | 7.23 | 1136 | " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 3.86 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-335
 Site Location Allied
 Site No. _____ Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature Indoors
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 25.52 feet Total Depth of Well 29.70 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-19-02 1345 Sample No. SBI 002: HMW335: G-09901: 503
 Purging Method Dailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units at 25°C | Turbidity Units | Units | Units |
| 12:19 | NA | Static Conditions | 11.3 | 6.93 | 827 | sl. Clear | | |
| 12:21 | 0.75 | 1 | 10.7 | 6.98 | 817 | Very turbid | | |
| 12:23 | 1.50 | 2 | 10.2 | 7.03 | 824 | " " | | |
| 12:25 | 2.25 | 3 | 9.9 | 7.10 | 829 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals 168 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-345
 Site Location SBCL
 Site No. _____ Project No. & Phase SBT002
 Weather Conditions & Approx. Air Temperature Cloudy 65°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify Good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.84 feet Total Depth of Well 29.30.86 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-18-01 @ 10:00 Sample No. SBT002: HMW345: G09190150
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|---|---------------------|------------|-------------------|---------------------------|-----------------|-------|-------|
| TIME | APPROX. VOLUME PURGED (GALLONS) / WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| 7:53 | NA | Static Conditions | 11.3 | 6.90 | 1095 | sl. clear | | |
| 7:55 | 1.0 | 1 | 10.6 | 7.02 | 1094 | Very turbid | | |
| 7:57 | 2.0 | 2 | 10.2 | 7.09 | 1146 | " " | | |
| 7:59 | 3.0 | 3 | 10.0 | 7.09 | 1154 | " " | | |
| | | 4 | | | | | | |
| | | 5 | | | | | | |

One Well Volume Equals .98 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client South Bend Well I.D. HMW-355
 Site Location Allied
 Site No. _____ Project No. & Phase SBI002
 Weather Conditions & Approx. Air Temperature cloudy 80°s
 Type of Well Construction 2"
 Condition of Well (Good / Poor); if poor, specify good
 Cap Locked (Yes / No) Yes Lock No. 3476
 Depth to Water 24.02 feet Total Depth of Well 31.01 feet
 LNAPL (Yes / No), Depth to LNAPL NIL feet
 LNAPL Thickness _____ feet
 Sample Date 9-17-01 @ 18:00 Sample No. SBI002 : HMW 355 : G-91701:52
 Purging Method bailer

| WELL PURGING | | | PARAMETERS | | | | | |
|--------------|--|--------------------------|-------------|-------------------|---------------------------|--------------------|-------|-------|
| TIME | APPROX. VOLUME PURGED(GALLONS)/WELL VOLUME | NO. OF WELL VOLUMES | TEMP. °C | pH (S.U.) at 25°C | COND. Units μ at 25°C | Turbidity Units | Units | Units |
| <u>15:18</u> | <u>NA</u> | <u>Static Conditions</u> | <u>10.1</u> | <u>7.05</u> | <u>848</u> | <u>clear</u> | | |
| <u>15:21</u> | <u>1.25</u> | <u>1</u> | <u>10.1</u> | <u>7.08</u> | <u>861</u> | <u>very turbid</u> | | |
| <u>15:24</u> | <u>2.5</u> | <u>2</u> | <u>9.9</u> | <u>7.10</u> | <u>857</u> | <u>" "</u> | | |
| <u>15:26</u> | <u>3.75</u> | <u>3</u> | <u>9.9</u> | <u>7.11</u> | <u>859</u> | <u>" "</u> | | |
| | | <u>4</u> | | | | | | |
| | | <u>5</u> | | | | | | |

One Well Volume Equals 1.14 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

HULL & ASSOCIATES, INC.
 6161 COCHRAN ROAD, SUITE A
 SOLON, OHIO 44139
 TELEPHONE (440) 519-2555
 FAX (440) 519-2560

FIELD DATA SHEET
WELL DEVELOPMENT
purge/sample

DATE: 9-14-01
 WELL I.D. Hmw-28D

CLIENT _____ SITE LOCATION Fire Station
 SITE NO. _____ PROJECT NO. SB1001
 TYPE OF WELL CONSTRUCTION 2" PVC
 CONDITION OF WELL circle (GOOD / POOR) if poor, specify _____
 DEPTH TO WATER 20.88 FEET TOTAL DEPTH (INITIAL) 94.36 FEET
 FREE PRODUCT circle (YES / NO) DEPTH TO PRODUCT _____ FEET
SB1001; Hmw28D:

| PURGE DATA | | FIELD TESTING / WELL VOLUME | | | |
|--------------------------------------|---------------------|-----------------------------|---------------|------------|---------------------------|
| VOLUME PURGED (GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | DEVELOPMENT METHOD | TEMPERATURE C | pH AT 25 C | CONDUCTIVITY units AT 25C |
| N/A | INITIAL | | 19.8 | 8.03 | 184.7 |
| 12.0 | 1 | | 17.4 | 7.17 | 148.1 |
| 24.0 | 2 | | 16.2 | 7.01 | 146.7 |
| 36.0 | 3 | | 16.0 | 6.96 | 145.8 |
| | 4 | | | | |
| | 5 | | | | |
| | 6 | | | | |
| | 7 | | | | |
| | 8 | | | | |

RECOVERY: good
 ONE WELL VOLUME EQUALS: 11.76 GALLONS
 TOTAL DEPTH (FINAL): clear
 COMMENTS: _____

VOLUME PER LINEAR FEET
 2" - .16 gal. 8" - 2.61 gal.
 4" - .65 gal. 12" - 5.89 gal.
 6" - 1.47 gal.



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLON, OHIO 44139
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
~~WELL DEVELOPMENT~~

purge/sample

DATE: 9-14-01

WELL I.D. HMW-30D

CLIENT SOUTH BEND SITE LOCATION POLICE STATION

SITE NO. _____ PROJECT NO. SBI001

TYPE OF WELL CONSTRUCTION 2" PVC

CONDITION OF WELL circle (GOOD / POOR) if poor, specify _____

DEPTH TO WATER 22.67 FEET TOTAL DEPTH (INITIAL) 67.81 FEET

FREE PRODUCT circle (YES / NO) DEPTH TO PRODUCT N/A FEET

| PURGE DATA | | FIELD TESTING / WELL VOLUME | | | |
|--------------------------------------|---------------------|-----------------------------|---------------|------------|---------------------------|
| VOLUME PURGED (GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | DEVELOPMENT METHOD | TEMPERATURE C | pH AT 25 C | CONDUCTIVITY units AT 25C |
| N/A | INITIAL | BALE | 17.1 | 6.60 | 179.3 |
| 7.25 | 1 | - | 16.0 | 6.48 | 176.5 |
| 14.5 | 2 | | 17.1 | 6.44 | 176.8 |
| 21.75 | 3 | | 15.7 | 6.52 | 177.5 |
| | 4 | | | | |
| | 5 | | | | |
| | 6 | | | | |
| | 7 | | | | |
| | 8 | | | | |

RECOVERY: good

ONE WELL VOLUME EQUALS: 7.22 GALLONS

TOTAL DEPTH (FINAL): _____

COMMENTS: Clear

VOLUME PER LINEAR FEET
2" - .16 gal. 8" - 2.61 gal.
4" - .65 gal. 12" - 5.89 gal.
6" - 1.47 gal.

INI/10005003



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLOM, OHIO 44139
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
~~WELL DEVELOPMENT~~
Purge / Sample

DATE: 9-13-01
WELL I.D. HMW-32I

CLIENT _____ SITE LOCATION St. Joseph's Jail
SITE NO. _____ PROJECT NO. SBI001
TYPE OF WELL CONSTRUCTION 2" PVC
CONDITION OF WELL circle (GOOD) POOR) if poor, specify _____
DEPTH TO WATER 23.54 FEET TOTAL DEPTH (INITIAL) 40.10 FEET
FREE PRODUCT circle (YES / NO) DEPTH TO PRODUCT _____ FEET
SBI 001: HMW32I:505

| PURGE DATA | | FIELD TESTING / WELL VOLUME | | | |
|--------------------------------------|---------------------|-------------------------------|---------------|------------|---------------------------|
| VOLUME PURGED (GALLONS)/ WELL VOLUME | NO. OF WELL VOLUMES | DEVELOPMENT METHOD | TEMPERATURE C | pH AT 25 C | CONDUCTIVITY units AT 25C |
| N/A | INITIAL | <u>soil</u> | 17.2 | 8.22 | 179.2 |
| 2.75 | 1 | " " | 16.5 | 7.06 | 163.1 |
| 5.5 | 2 | " " | 16.0 | 6.84 | 159.6 |
| 8.25 | 3 | " " | 16.1 | 6.85 | 161.1 |
| | 4 | | | | |
| | 5 | | | | |
| | 6 | | | | |
| | 7 | | | | |
| | 8 | | | | |

RECOVERY: good
ONE WELL VOLUME EQUALS: 2.64 GALLONS
TOTAL DEPTH (FINAL): lt. brown / cloudy
COMMENTS: _____

VOLUME PER LINEAR FEET
2" - .16 gal. 8" - 2.61 gal.
4" - .65 gal. 12" - 5.89 gal.
6" - 1.47 gal.

INI/1005003

APPENDIX D

Laboratory Reports and Chain of Custody Forms for Soil Samples

SRT002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/20/2001

Job Number: 01.14423

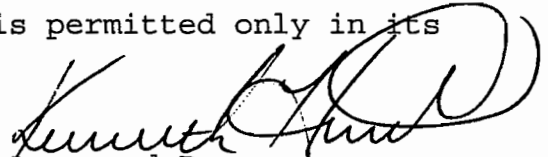
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 699247 | SBI002:HMW8D:S010020:505 | 08/09/2001 | 08/10/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/20/2001

Job Number: 01.14423

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699247 | SBI002:HMW8D:S010020:505 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 07:40 |
| Dry Weight | 95.6 | % | | | 08/16/2001 | | 1478 | | emd | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | <3.5 | mg/kg dw | | | 08/16/2001 | 901 | 2956 | <3.5 | emd | SW 6010B |
| Barium, ICP | 14.3 | mg/kg dw | | | 08/16/2001 | 901 | 2887 | <0.70 | emd | SW 6010B |
| Cadmium, ICP | <1.0 | mg/kg dw | | | 08/16/2001 | 901 | 2869 | <1.0 | emd | SW 6010B |
| Chromium, ICP | 3.7 | mg/kg dw | | | 08/16/2001 | 901 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | 11.0 | mg/kg dw | | | 08/16/2001 | 901 | 2858 | <2.8 | emd | SW 6010B |
| Mercury, CVAA | 0.055 | mg/kg dw | | | 08/17/2001 | 610 | 625 | <0.008 | epk | SW 7471A |
| Selenium, ICP | <3.5 | mg/kg dw | | | 08/16/2001 | 901 | 2936 | <3.5 | emd | SW 6010B |
| Silver, ICP | <1.4 | mg/kg dw | | | 08/16/2001 | 901 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/16/2001 | 610 | | Complete | epk | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/14/2001 | | 1462 | Complete | bmh | |
| Acetone | <105 | ug/kg dw | | | 08/14/2001 | | 1462 | <105 | bmh | SW 8260A |
| Benzene | <5.2 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| tert-Butylbenzene | <5.2 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| sec-Butylbenzene | <5.2 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| n-Butylbenzene | <5.2 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Bromochloromethane | <5.2 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Bromodichloromethane | <5.2 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Bromoform | <5.2 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Bromobenzene | <5.2 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| 2-Butanone (MEK) | <52 | ug/kg dw | | | 08/14/2001 | | 1462 | <52 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/20/2001

Job Number: 01.14423

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699247 | SBI002:HMW8D:S010020:505 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 07:40 |
| | Carbon disulfide | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Carbon tetrachloride | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Chlorobenzene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Chloroethane | <10.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.5 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 4-Chlorotoluene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Chloroform | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Chloromethane | <10.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.5 | bmh | SW 8260A |
| | Dibromochloromethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Dibromomethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/20/2001

Job Number: 01.14423

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699247 | SBI002:HMW8D:S010020:505 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 07:40 |
| | trans-1,3-Dichloropropene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Ethylbenzene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | n-Hexane | <20.9 | | ug/kg dw | 08/14/2001 | | 1462 | <20.9 | bmh | SW 8260A |
| | 2-Hexanone | <52.3 | | ug/kg dw | 08/14/2001 | | 1462 | <52.3 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Bromomethane | <10.5 | | ug/kg dw | 08/14/2001 | | 1462 | <10.5 | bmh | SW 8260A |
| | Methylene Chloride | <10.5 | | ug/kg dw | 08/14/2001 | | 1462 | <10.5 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <52.3 | | ug/kg dw | 08/14/2001 | | 1462 | <52.3 | bmh | SW 8260A |
| | n-Propylbenzene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Styrene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Naphthalene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Tetrachloroethene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Toluene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Trichloroethene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/20/2001

Job Number: 01.14423

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699247 | SBI002:HMW8D:S010020:505 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 07:40 |
| | 1,3,5-Trimethylbenzene | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Vinyl Acetate | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/14/2001 | | 1462 | <2.1 | bmh | SW 8260A |
| | Xylenes, Total | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 111 | | † | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| | Dibromofluoromethane (surr) | 103 | | † | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| | d8-Toluene (surr) | 95 | | † | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| | Bromofluorobenzene (surr) | 95 | | † | 08/14/2001 | | 1462 | | bmh | SW 8260A |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.14423

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

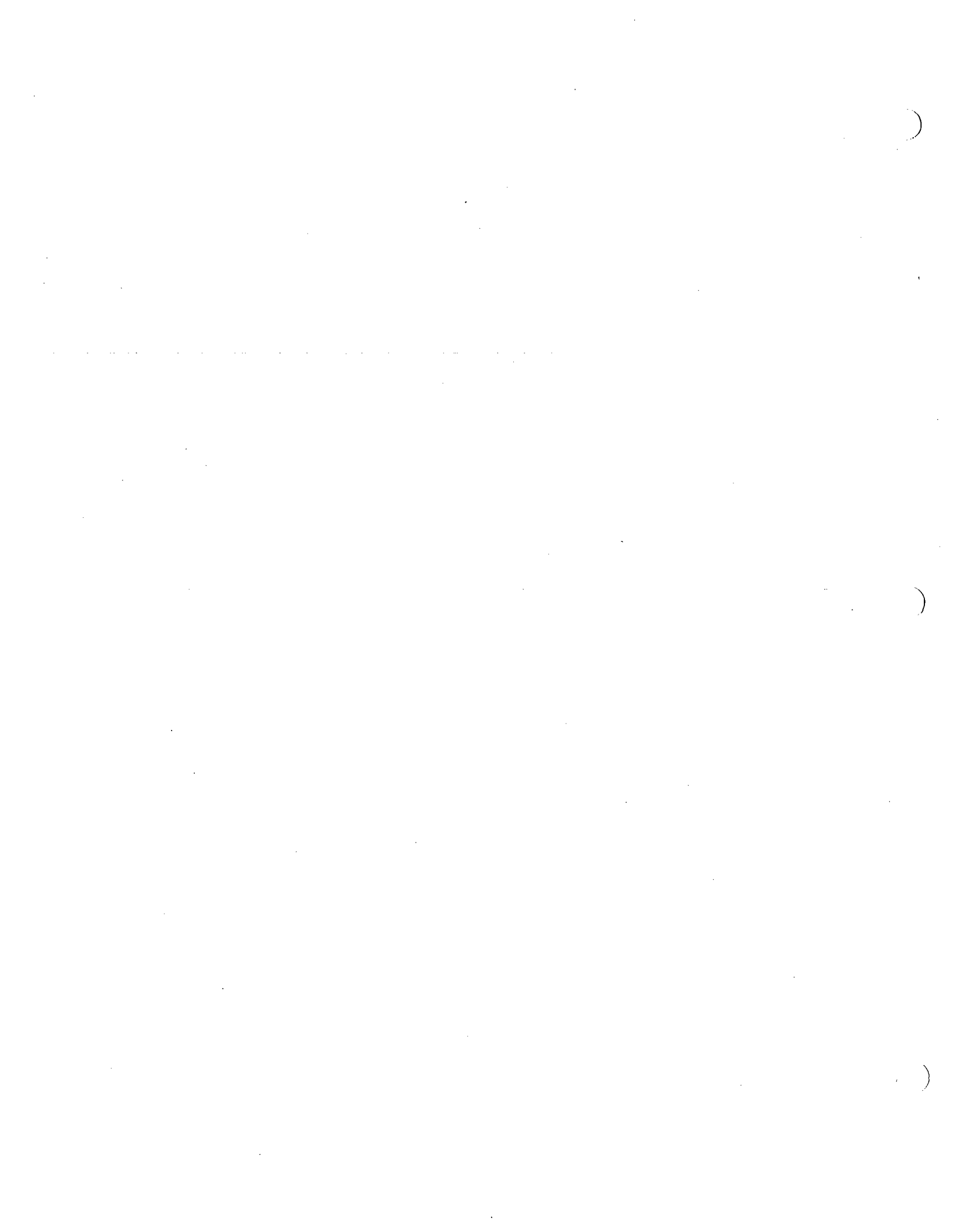
(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.



TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.14439

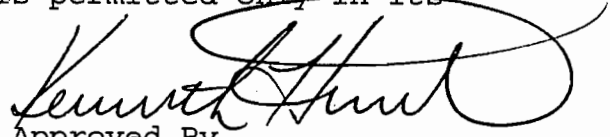
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 699274 | SBI002:HMW19S:S000020:428 | 08/08/2001 | 08/10/2001 |
| 699275 | SBI002:HMW23S:S100115:428 | 08/08/2001 | 08/10/2001 |
| 699276 | SBI002:HMW23S:S060070:428 | 08/08/2001 | 08/10/2001 |
| 699281 | SBI002:HMW33D:S000020:428 | 08/09/2001 | 08/10/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699274 | SBI002:HMW19S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:40 |
| Dry Weight | | 89.4 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <3.6 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.6 | emd | SW 6010B |
| Barium, ICP | | 69.7 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.72 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 5.7 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.5 | emd | SW 6010B |
| Lead, ICP | | 89.4 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | | 1.14 | | mg/kg dw | 08/17/2001 | 610 | 625 | <0.040 | epk | SW 7471A |
| Selenium, ICP | | <3.6 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.6 | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/16/2001 | 610 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/14/2001 | 948 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | | COMPLETE | | | 08/15/2001 | 589 | | Complete | 110 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/14/2001 | | 1462 | Complete | bmh | |
| Acetone | | <112 | | ug/kg dw | 08/14/2001 | | 1462 | <112 | bmh | SW 8260A |
| Benzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| n-Butylbenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Bromochloromethane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Bromodichloromethane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Bromoform | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699274 | SBI002:HMW19S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:40 |
| Bromobenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Carbon disulfide | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Chlorobenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Chloroethane | | <11.2 | | ug/kg dw | 08/14/2001 | | 1462 | <11.2 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Chloroform | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Chloromethane | | <11.2 | | ug/kg dw | 08/14/2001 | | 1462 | <11.2 | bmh | SW 8260A |
| Dibromochloromethane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Dibromomethane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699274 | SBI002:HMW19S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:40 |
| 1,1-Dichloropropene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Ethylbenzene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| n-Hexane | | <22.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <22.4 | bmh | SW 8260A |
| 2-Hexanone | | <55.9 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <55.9 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Bromomethane | | <11.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <11.2 | bmh | SW 8260A |
| Methylene Chloride | | <11.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <11.2 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <55.9 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <55.9 | bmh | SW 8260A |
| n-Propylbenzene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Styrene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Naphthalene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Tetrachloroethene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Toluene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Trichloroethene | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 699274 | SBI002:HMW19S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:40 |
| 1,2,3-Trichloropropane | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Vinyl Acetate | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/14/2001 | | 1462 | <2.2 | bmh | SW 8260A |
| Xylenes, Total | | <5.6 | | ug/kg dw | 08/14/2001 | | 1462 | <5.6 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 107 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 102 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 95 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 94 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Acenaphthylene | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Anthracene | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Benzo(a)anthracene | | 821 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | 1,300 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | 414 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Benzo(a)pyrene | | 779 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <185 | jcs | SW 8270C |
| Benzyl alcohol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Bis(2-chloroethoxy)methane | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |

ANALYTICAL REPORT

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699274 | SBI002:HMW19S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:40 |
| 4-Bromophenyl phenyl ether | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| 4-Chloroaniline | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| 2-Chloronaphthalene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Chrysene | 909 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Dibenzo(a,h)anthracene | <185 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <185 | jcs | SW 8270C | |
| Dibenzofuran | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| 1,2-Dichlorobenzene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| 1,3-Dichlorobenzene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| 1,4-Dichlorobenzene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| 3,3'-Dichlorobenzidine | <738 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <738 | jcs | SW 8270C | |
| Diethyl phthalate | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Dimethyl phthalate | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| 2,4-Dinitrotoluene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| 2,6-Dinitrotoluene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Di-n-octylphthalate | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Fluoranthene | 1,480 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Fluorene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Hexachlorobenzene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Hexachloro-1,3-butadiene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Hexachlorocyclopentadiene | <738 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <738 | jcs | SW 8270C | |
| Hexachloroethane | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Isophorone | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Naphthalene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |
| Nitrobenzene | <369 | ug/kg | dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C | |

ANALYTICAL REPORT

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 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699274 | SBI002:HMW19S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:40 |
| N-Nitrosodi-n-propylamine | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Phenanthrene | | 1,330 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Pyrene | | 1,790 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 71 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 73 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 81 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,850 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <1,850 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2-Chlorophenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2,4-Dichlorophenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2,4-Dimethylphenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2-Methylphenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| meta & para-Methylphenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2-Nitrophenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Pentachlorophenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Phenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | | <369 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <369 | jcs | SW 8270C |
| Surrogate: d6-Phenol | | 64 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | | 59 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | | 73 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|----------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699274 | SBI002:HMW19S:S000020:428 | | | | | | | | | |
| | | | | | | | | | | |
| TPH - FTIR Non-aq | | <56 | | mg/kg dw | 08/16/2001 | 589 | 621 | <56 | 110 | 418.1 |
| 699275 | SBI002:HMW23S:S100115:428 | | | | | | | | | |
| | | | | | | | | | | |
| Dry Weight | | 93.3 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| Prep, BNA Non-Aq | | Complete | | | 08/14/2001 | 948 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/14/2001 | | 1462 | Complete | bmh | |
| Acetone | | <107 | | ug/kg dw | 08/14/2001 | | 1462 | <107 | bmh | SW 8260A |
| Benzene | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| n-Butylbenzene | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| Bromochloromethane | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| Bromodichloromethane | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| Bromoform | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| Bromobenzene | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <54 | | ug/kg dw | 08/14/2001 | | 1462 | <54 | bmh | SW 8260A |
| Carbon disulfide | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |

ANALYTICAL REPORT

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 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699275 | SBI002:HMW23S:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 08:30 |
| | unlorobenzene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | Chloroethane | <10.7 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.7 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 4-Chlorotoluene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | Chloroform | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | Chloromethane | <10.7 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.7 | bmh | SW 8260A |
| | Dibromochloromethane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | Dibromomethane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| | Ethylbenzene | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699275 | SBI002:HMW23S:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 08:30 |
| Hexachlorobutadiene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| n-Hexane | | <21.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <21.4 | bmh | SW 8260A |
| 2-Hexanone | | <53.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <53.6 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| Bromomethane | | <10.7 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.7 | bmh | SW 8260A |
| Methylene Chloride | | <10.7 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.7 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <53.6 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <53.6 | bmh | SW 8260A |
| n-Propylbenzene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| Styrene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| Naphthalene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| Tetrachloroethene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| Toluene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| Trichloroethene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |
| Vinyl Acetate | | <5.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699275 | SBI002:HMW23S:S100115:428 | | | | | | | | | |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/14/2001 | | 1462 | <2.1 | bmh | SW 8260A |
| | Xylenes, Total | <5.4 | | ug/kg dw | 08/14/2001 | | 1462 | <5.4 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 103 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| | Dibromofluoromethane (surr) | 99 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| | d8-Toluene (surr) | 94 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| | Bromofluorobenzene (surr) | 95 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| | BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | |
| | Acenaphthene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Acenaphthylene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Anthracene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Benzo(a)anthracene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Benzo(b)fluoranthene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Benzo(k)fluoranthene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Benzo(a)pyrene | <177 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <177 | jcs | SW 8270C |
| | Benzyl alcohol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Bis(2-chloroethyl)ether | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Bis(2-chloroethoxy)methane | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 4-Chloroaniline | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Chrysene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699275 | SBI002:HMW23S:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 08:30 |
| | Dibenzo (a, h) anthracene | <177 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <177 | jcs | SW 8270C |
| | Dibenzofuran | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <707 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <707 | jcs | SW 8270C |
| | Diethyl phthalate | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Dimethyl phthalate | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Di-n-octylphthalate | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Fluoranthene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Fluorene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Hexachlorobenzene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <707 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <707 | jcs | SW 8270C |
| | Hexachloroethane | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Indeno (1,2,3-cd) pyrene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Isophorone | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Naphthalene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Nitrobenzene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | N-Nitrosodi-n-propylamine | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Phenanthrene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Pyrene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 1,2,4-Trichlorobenzene | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699275 | SBI002:HMW23S:S100115:428 | | | | | | | | | |
| | Surrogate: d5-Nitrobenzene | 70 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 71 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| | Surrogate: d14-Terphenyl | 66 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,770 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <1,770 | jcs | SW 8270C |
| | 4-Chloro-3-methylphenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2-Chlorophenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2,4-Dichlorophenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2,4-Dimethylphenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2-Methylphenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | meta & para-Methylphenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2-Nitrophenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Pentachlorophenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Phenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <354 | | ug/kg dw | 08/19/2001 | 948 | 1464 | <354 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 62 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 64 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 74 | | % | 08/19/2001 | 948 | 1464 | | jcs | SW 8270C |
| | TPH - GRO (Non-Aqueous) | <5 | | mg/kg dw | 08/13/2001 | | 246 | <5 | meb | SW 8015M |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|------------|-------|-------|-----------|---------|--------------------------------|
| | | | | | Analyzed | Batch | Batch | | | |
| 699276 | SBI002:HMW23S:S060070:428 | | | | 08/16/2001 | | 1478 | | | |
| | | 82.4 | | % | 08/16/2001 | | 1478 | | | mhg SM 2540 G. |
| | | Complete | | | 08/14/2001 | 948 | | Complete | | mem EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/14/2001 | | 1462 | Complete | | bmh |
| Acetone | <121 | | | ug/kg dw | 08/14/2001 | | 1462 | <121 | | bmh SW 8260A |
| Benzene | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| tert-Butylbenzene | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| sec-Butylbenzene | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| n-Butylbenzene | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Bromochloromethane | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Bromodichloromethane | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Bromoform | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Bromobenzene | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| 2-Butanone (MEK) | <61 | | | ug/kg dw | 08/14/2001 | | 1462 | <61 | | bmh SW 8260A |
| Carbon disulfide | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Carbon tetrachloride | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Chlorobenzene | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Chloroethane | <12.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <12.1 | | bmh SW 8260A |
| 2-Chlorotoluene | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| 4-Chlorotoluene | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Chloroform | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Chloromethane | <12.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <12.1 | | bmh SW 8260A |
| Dibromochloromethane | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |
| Dibromomethane | <6.1 | | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | | bmh SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699276 | SBI002:HMW23S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 08:30 |
| | Dichlorodifluoromethane | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | Ethylbenzene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | Hexachlorobutadiene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | n-Hexane | <24.3 | | ug/kg dw | 08/14/2001 | | 1462 | <24.3 | bmh | SW 8260A |
| | 2-Hexanone | <60.7 | | ug/kg dw | 08/14/2001 | | 1462 | <60.7 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | p-Isopropyltoluene | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |
| | Bromomethane | <12.1 | | ug/kg dw | 08/14/2001 | | 1462 | <12.1 | bmh | SW 8260A |
| | Methylene Chloride | <12.1 | | ug/kg dw | 08/14/2001 | | 1462 | <12.1 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <6.1 | | ug/kg dw | 08/14/2001 | | 1462 | <6.1 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699276 | SBI002:HMW23S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 08:30 |
| 4-Methyl-2-pentanone (MIBK) | | <60.7 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <60.7 | bmh | SW 8260A |
| n-Propylbenzene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| Styrene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| Naphthalene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| Tetrachloroethene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| Toluene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| Trichloroethene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| Trichlorofluoromethane | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| Vinyl Acetate | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| Vinyl Chloride | | <2.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <2.4 | bmh | SW 8260A |
| Xylenes, Total | | <6.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <6.1 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | 106 | | | % | 08/14/2001 | 1462 | 1462 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | 97 | | | % | 08/14/2001 | 1462 | 1462 | | bmh | SW 8260A |
| d8-Toluene (surr) | 92 | | | % | 08/14/2001 | 1462 | 1462 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | 95 | | | % | 08/14/2001 | 1462 | 1462 | | bmh | SW 8260A |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699276 | SBI002:HMW23S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 08:30 |
| Acenaphthene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Acenaphthylene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Anthracene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Benzo(a)anthracene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Benzo(a)pyrene | | <200 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <200 | jcs | SW 8270C |
| Benzyl alcohol | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Bis(2-chloroethoxy)methane | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| 4-Chloroaniline | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Chrysene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | | <200 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <200 | jcs | SW 8270C |
| Dibenzofuran | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <801 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <801 | jcs | SW 8270C |
| Diethyl phthalate | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |
| Dimethyl phthalate | | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|----------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 699276 | SBI002:HMW23S:S060070:428 | | | | | | | | | | 08/08/2001 08:30 |
| | 2,4-Dichlorophenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | 2,4-Dimethylphenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | 2-Methylphenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | meta & para-Methylphenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | 2-Nitrophenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | Pentachlorophenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | Phenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | 2,4,5-Trichlorophenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | 2,4,6-Trichlorophenol | <400 | | ug/kg dw | 08/17/2001 | 948 | 1458 | <400 | jcs | SW 8270C | |
| | Surrogate: d6-Phenol | 75 | | % | 08/17/2001 | 948 | 1458 | | jcs | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 75 | | % | 08/17/2001 | 948 | 1458 | | jcs | SW 8270C | |
| | Surrogate: Tribromophenol | 82 | | % | 08/17/2001 | 948 | 1458 | | jcs | SW 8270C | |
| | TPH - GRO (Non-Aqueous) | <6 | | mg/kg dw | 08/13/2001 | | 246 | <6 | mcb | SW 8015M | |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|----------------|---------------------------|---------------------------------------|
| 699281 | SBI002:HMW33D:S000020:428 | 08/09/2001 15:30 |
| Dry Weight | 90.6 % | 08/16/2001 1478 mhg SM 2540 G. |
| ICP NONAQUEOUS | Complete | 08/16/2001 1229 Complete emd SW 6010B |
| Arsenic, ICP | <7.3 mg/kg dw | 08/16/2001 901 2956 <7.3 emd SW 6010B |
| Barium, ICP | 177 mg/kg dw | 08/16/2001 901 2887 <1.4 emd SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699281 | SBI002:HMW33D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 15:30 |
| Cadmium, ICP | | <2.2 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <2.2 | emd | SW 6010B |
| Chromium, ICP | | 9.2 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <2.9 | emd | SW 6010B |
| Lead, ICP | | 2,720 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <5.8 | emd | SW 6010B |
| Mercury, CVAA | | 30.9 | | mg/kg dw | 08/17/2001 | 610 | 625 | <1.72 | epk | SW 7471A |
| Selenium, ICP | | <7.3 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <7.3 | emd | SW 6010B |
| Silver, ICP | | <2.9 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <2.9 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/16/2001 | 610 | | Complete | epk | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/14/2001 | | 1462 | Complete | bmh | |
| Acetone | | <110 | | ug/kg dw | 08/14/2001 | | 1462 | <110 | bmh | SW 8260A |
| Benzene | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| n-Butylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Bromochloromethane | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Bromodichloromethane | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Bromoform | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Bromobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <55 | | ug/kg dw | 08/14/2001 | | 1462 | <55 | bmh | SW 8260A |
| Carbon disulfide | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Chlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Chloroethane | | <11.0 | | ug/kg dw | 08/14/2001 | | 1462 | <11.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699281 | SBI002:HMW33D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 15:30 |
| 2-Chlorotoluene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Chloroform | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Chloromethane | | <11.0 | | ug/kg dw | 08/14/2001 | 1462 | | <11.0 | bmh | SW 8260A |
| Dibromochloromethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Dibromomethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Ethylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| n-Hexane | | <22.1 | | ug/kg dw | 08/14/2001 | 1462 | | <22.1 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699281 | SBI002:HMW33D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 15:30 |
| 2-Hexanone | | <55.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <55.2 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Bromomethane | | <11.0 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <11.0 | bmh | SW 8260A |
| Methylene Chloride | | <11.0 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <11.0 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <55.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <55.2 | bmh | SW 8260A |
| n-Propylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Styrene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Naphthalene | | 63.8 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Tetrachloroethene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Toluene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Trichloroethene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Vinyl Acetate | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <2.2 | bmh | SW 8260A |
| Xylenes, Total | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.14439

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699281 | SBI002:HMW33D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 15:30 |
| u4-1,2-Dichloroethane (surr) | | 109 | * | | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 102 | * | | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 94 | * | | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 94 | * | | 08/14/2001 | | 1462 | | bmh | SW 8260A |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.14439

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

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SRT002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

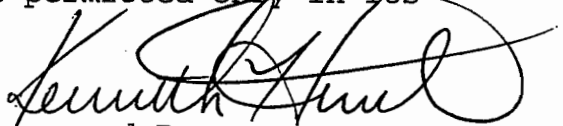
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 697715 | SBI002:SB4:S010020:428 | 08/03/2001 | 08/06/2001 |
| 697716 | SBI002:SB1:S100115:428 | 08/03/2001 | 08/06/2001 |
| 697717 | SBI002:SB3:S000020:428 | 08/02/2001 | 08/06/2001 |
| 697718 | SBI002:HMW13S:S140150:428 | 08/02/2001 | 08/06/2001 |
| 697719 | SBI002:HMW13S:S060070:428 | 08/02/2001 | 08/06/2001 |
| 697720 | SBI002:HMW2S:S020020:428 | 08/02/2001 | 08/06/2001 |
| 697721 | SBI002:SB1:S160170:428 | 08/03/2001 | 08/06/2001 |
| 697722 | SBI002:HMW6S:S040060:505 | 08/02/2001 | 08/06/2001 |
| 697723 | SBI002:HMW6S:S180200:505 | 08/02/2001 | 08/06/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure



Approved By

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697715 | SBI002:SB4:S010020:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:45 |
| Dry Weight | | 87.4 | | % | 08/14/2001 | | 1476 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <3.7 | | mg/kg dw | 08/16/2001 | 898 | 2956 | <3.7 | emd | SW 6010B |
| Barium, ICP | | 48.9 | | mg/kg dw | 08/16/2001 | 898 | 2887 | <0.73 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 898 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 11 | | mg/kg dw | 08/16/2001 | 898 | 2857 | <1.5 | emd | SW 6010B |
| Lead, ICP | | 18.3 | | mg/kg dw | 08/16/2001 | 898 | 2858 | <3.0 | emd | SW 6010B |
| Mercury, CVAA | | 0.014 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.7 | | mg/kg dw | 08/16/2001 | 898 | 2936 | <3.7 | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/16/2001 | 898 | 2889 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/08/2001 | 898 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/09/2001 | 945 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | | <114 | | ug/kg dw | 08/07/2001 | | 1450 | <114 | jxc | SW 8260A |
| Benzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| tert-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| sec-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| n-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromochloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromodichloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromoform | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |

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08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697715 | SBI002:SB4:S010020:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:45 |
| 2-Butanone (MEK) | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Carbon disulfide | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Carbon tetrachloride | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Chlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Chloroethane | | <11.4 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <11.4 | jxc | SW 8260A |
| 2-Chlorotoluene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 4-Chlorotoluene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Chloroform | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Chloromethane | | <11.4 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <11.4 | jxc | SW 8260A |
| Dibromochloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Dibromomethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Dichlorodifluoromethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,3-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |

ANALYTICAL REPORT

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 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697715 | SBI002:SB4:S010020:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:45 |
| | cis-1,3-Dichloropropene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | trans-1,3-Dichloropropene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Ethylbenzene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Hexachlorobutadiene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | n-Hexane | <22.9 | | ug/kg dw | 08/07/2001 | | 1450 | <22.9 | jxc | SW 8260A |
| | 2-Hexanone | <57.2 | | ug/kg dw | 08/07/2001 | | 1450 | <57.2 | jxc | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | p-Isopropyltoluene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Bromomethane | <11.4 | | ug/kg dw | 08/07/2001 | | 1450 | <11.4 | jxc | SW 8260A |
| | Methylene Chloride | <11.4 | | ug/kg dw | 08/07/2001 | | 1450 | <11.4 | jxc | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <57.2 | | ug/kg dw | 08/07/2001 | | 1450 | <57.2 | jxc | SW 8260A |
| | n-Propylbenzene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Styrene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Naphthalene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Tetrachloroethene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Toluene | 67.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1,1-Trichloroethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1,2-Trichloroethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Trichloroethene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Trichlorofluoromethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,2,3-Trichloropropane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |

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 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|---------------------------|------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 697715 | SBI002:SB4:S010020:428 | | | | | | | | | | 08/03/2001 09:45 |
| 4-Chloroaniline | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| 2-Chloronaphthalene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Chrysene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Dibenzo(a,h)anthracene | | <189 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <189 | jrw | SW 8270C | |
| Dibenzofuran | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| 1,2-Dichlorobenzene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| 1,3-Dichlorobenzene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| 1,4-Dichlorobenzene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| 3,3'-Dichlorobenzidine | | <755 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <755 | jrw | SW 8270C | |
| Diethyl phthalate | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Dimethyl phthalate | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| 2,4-Dinitrotoluene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| 2,6-Dinitrotoluene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Di-n-octylphthalate | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Fluoranthene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Fluorene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Hexachlorobenzene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Hexachloro-1,3-butadiene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Hexachlorocyclopentadiene | | <755 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <755 | jrw | SW 8270C | |
| Hexachloroethane | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Isophorone | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Naphthalene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| Nitrobenzene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |
| N-Nitrosodi-n-propylamine | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C | |

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 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697715 | SBI002:SB4:S010020:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:45 |
| Phenanthrene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| Pyrene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 81 | | ‡ | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 84 | | ‡ | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 92 | | ‡ | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,890 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <1,890 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 2-Chlorophenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 2-Methylphenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| meta & para-Methylphenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 2-Nitrophenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| Pentachlorophenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| Phenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <378 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <378 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 76 | | ‡ | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 76 | | ‡ | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 80 | | ‡ | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 697716 | SBI002:SB1:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:15 |
| Dry Weight | 85.1 | % | | | 08/14/2001 | | 1476 | | mhg | SM 2540 G. |
| Prep, PCBs Non-Aq 8082 | Complete | | | | 08/09/2001 | 100 | | Complete | mlr | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | | 08/17/2001 | 949 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | Complete | | | | 08/14/2001 | 591 | | Complete | 260 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | 338 | ug/kg dw | | | 08/07/2001 | | 1450 | <11.8 | jxc | SW 8260A |
| Benzene | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| tert-Butylbenzene | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| sec-Butylbenzene | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| n-Butylbenzene | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Bromochloromethane | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Bromodichloromethane | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Bromoform | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Bromobenzene | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| 2-Butanone (MEK) | 210 | ug/kg dw | | | 08/07/2001 | | 1450 | <59 | jxc | SW 8260A |
| Carbon disulfide | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Carbon tetrachloride | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Chlorobenzene | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Chloroethane | <11.8 | ug/kg dw | | | 08/07/2001 | | 1450 | <11.8 | jxc | SW 8260A |
| 2-Chlorotoluene | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| 4-Chlorotoluene | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Chloroform | <5.9 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| Chloromethane | <11.8 | ug/kg dw | | | 08/07/2001 | | 1450 | <11.8 | jxc | SW 8260A |

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Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697716 | SBI002:SB1:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:15 |
| | Dibromochloromethane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | Dibromomethane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | Dichlorodifluoromethane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,2-Dichlorobenzene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,3-Dichlorobenzene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,4-Dichlorobenzene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,1-Dichloroethane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,2-Dichloroethane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,1-Dichloroethene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | cis-1,2-Dichloroethene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | trans-1,2-Dichloroethene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,2-Dichloropropane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,3-Dichloropropane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 2,2-Dichloropropane | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | 1,1-Dichloropropene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | cis-1,3-Dichloropropene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | trans-1,3-Dichloropropene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | Ethylbenzene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | Hexachlorobutadiene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | n-Hexane | <23.5 | | ug/kg dw | 08/07/2001 | | 1450 | <23.5 | jxc | SW 8260A |
| | 2-Hexanone | <58.8 | | ug/kg dw | 08/07/2001 | | 1450 | <58.8 | jxc | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | p-Isopropyltoluene | <5.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.9 | jxc | SW 8260A |
| | Bromomethane | <11.8 | | ug/kg dw | 08/07/2001 | | 1450 | <11.8 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|------------------------|----------|------------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697716 | SBI002:SB1:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:15 |
| Methylene Chloride | <11.8 | ug/kg dw | 08/07/2001 | 1450 | <11.8 | jxc | SW 8260A | | | |
| Methyl t-butyl ether (MTBE) | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | bmh | SW 8260A | | | |
| 4-Methyl-2-pentanone (MIBK) | <58.8 | ug/kg dw | 08/07/2001 | 1450 | <58.8 | jxc | SW 8260A | | | |
| n-Propylbenzene | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| Styrene | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| Naphthalene | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| 1,1,1,2-Tetrachloroethane | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| 1,1,2,2-Tetrachloroethane | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| Tetrachloroethene | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| Toluene | 21.7 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| 1,2,4-Trichlorobenzene | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| 1,1,1-Trichloroethane | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| 1,1,2-Trichloroethane | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| Trichloroethene | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| Trichlorofluoromethane | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| 1,2,3-Trichloropropane | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| 1,2,4-Trimethylbenzene | 11 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| 1,3,5-Trimethylbenzene | 7.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| Vinyl Acetate | <5.9 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| Vinyl Chloride | <2.4 | ug/kg dw | 08/07/2001 | 1450 | <2.4 | jxc | SW 8260A | | | |
| Xylenes, Total | 7.3 | ug/kg dw | 08/07/2001 | 1450 | <5.9 | jxc | SW 8260A | | | |
| d4-1,2-Dichloroethane (surr) | 93 | % | 08/07/2001 | 1450 | | jxc | SW 8260A | | | |
| Dibromofluoromethane (surr) | 91 | % | 08/07/2001 | 1450 | | jxc | SW 8260A | | | |
| d8-Toluene (surr) | 96 | % | 08/07/2001 | 1450 | | jxc | SW 8260A | | | |
| Bromofluorobenzene (surr) | 121 | % | 08/07/2001 | 1450 | | jxc | SW 8260A | | | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697716 | SBI002:SB1:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:15 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Acenaphthylene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Anthracene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Benzo(a)anthracene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Benzo(a)pyrene | | <194 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <194 | dmg | SW 8270C |
| Benzyl alcohol | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Bis(2-chloroethyl)ether | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Bis(2-chloroethoxy)methane | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 4-Chloroaniline | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Chrysene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Dibenzo(a,h)anthracene | | <194 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <194 | dmg | SW 8270C |
| Dibenzofuran | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <776 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <776 | dmg | SW 8270C |
| Diethyl phthalate | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697716 | SBI002:SB1:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:15 |
| Dimethyl phthalate | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Di-n-octylphthalate | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Fluoranthene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Fluorene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Hexachlorobenzene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <776 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <776 | dmg | SW 8270C |
| Hexachloroethane | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Isophorone | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Naphthalene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Nitrobenzene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Phenanthrene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Pyrene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 88 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 114 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 119 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,940 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <1,940 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <388 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|------------------------|----------|------|------------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 697716 | SBI002:SB1:S100115:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:15 |
| 2-Chlorophenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| 2,4-Dichlorophenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| 2,4-Dimethylphenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| 2-Methyl-4,6-dinitrophenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| 2-Methylphenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| meta & para-Methylphenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| 2-Nitrophenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| Pentachlorophenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| Phenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| 2,4,5-Trichlorophenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| 2,4,6-Trichlorophenol | <388 | ug/kg dw | | 08/20/2001 | 949 | 1465 | <388 | dmg | SW 8270C | |
| Surrogate: d6-Phenol | 91 | % | | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C | |
| Surrogate: 2-Fluorophenol | 85 | % | | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C | |
| Surrogate: Tribromophenol | 124 | Note % | | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C | |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | <1.2 | mg/kg dw | | 08/16/2001 | 100 | 185 | <1.2 | mrbr | SW 8082 | |
| Aroclor 1221 | <1.2 | mg/kg dw | | 08/16/2001 | 100 | 185 | <1.2 | mrbr | SW 8082 | |
| Aroclor 1232 | <1.2 | mg/kg dw | | 08/16/2001 | 100 | 185 | <1.2 | mrbr | SW 8082 | |
| Aroclor 1242 | 5.31 | mg/kg dw | | 08/16/2001 | 100 | 185 | <1.2 | mrbr | SW 8082 | |
| Aroclor 1248 | <1.2 | mg/kg dw | | 08/16/2001 | 100 | 185 | <1.2 | mrbr | SW 8082 | |
| Aroclor 1254 | <1.2 | mg/kg dw | | 08/16/2001 | 100 | 185 | <1.2 | mrbr | SW 8082 | |
| Aroclor 1260 | <1.2 | mg/kg dw | | 08/16/2001 | 100 | 185 | <1.2 | mrbr | SW 8082 | |
| Surrogate:TCX/DCB | DL/DL | Note % | | 08/16/2001 | 100 | 185 | | mrbr | SW 8082 | |
| TPH - FTIR Non-aq | 8,100 | mg/kg dw | | 08/15/2001 | 591 | 623 | <50.0 | 260 | 418.1 | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|----------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 697717 | SBI002:SB3:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 13:00 |
| Dry Weight | | 88.4 | | % | 08/14/2001 | | 1476 | | mhg | SM 2540 G. |
| Prep, BNA Non-Aq | | Complete | | | 08/07/2001 | 944 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | | Complete | | | 08/14/2001 | 591 | | Complete | 260 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | | <113 | | ug/kg dw | 08/07/2001 | | 1450 | <113 | jxc | SW 8260A |
| Benzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| tert-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| sec-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| n-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromochloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromodichloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromoform | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 2-Butanone (MEK) | | <57 | | ug/kg dw | 08/07/2001 | | 1450 | <57 | jxc | SW 8260A |
| Carbon disulfide | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Carbon tetrachloride | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Chlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Chloroethane | | <11.3 | | ug/kg dw | 08/07/2001 | | 1450 | <11.3 | jxc | SW 8260A |
| 2-Chlorotoluene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 4-Chlorotoluene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Chloroform | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Chloromethane | | <11.3 | | ug/kg dw | 08/07/2001 | | 1450 | <11.3 | jxc | SW 8260A |
| Dibromochloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697717 | SBI002:SB3:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 13:00 |
| | Dibromomethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Dichlorodifluoromethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,2-Dichlorobenzene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,3-Dichlorobenzene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,4-Dichlorobenzene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1-Dichloroethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,2-Dichloroethane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1-Dichloroethene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | cis-1,2-Dichloroethene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | trans-1,2-Dichloroethene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,2-Dichloropropane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,3-Dichloropropane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 2,2-Dichloropropane | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1-Dichloropropene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | cis-1,3-Dichloropropene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | trans-1,3-Dichloropropene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Ethylbenzene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Hexachlorobutadiene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | n-Hexane | <22.6 | | ug/kg dw | 08/07/2001 | | 1450 | <22.6 | jxc | SW 8260A |
| | 2-Hexanone | <56.6 | | ug/kg dw | 08/07/2001 | | 1450 | <56.6 | jxc | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | p-Isopropyltoluene | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| | Bromomethane | <11.3 | | ug/kg dw | 08/07/2001 | | 1450 | <11.3 | jxc | SW 8260A |
| | Methylene Chloride | <11.3 | | ug/kg dw | 08/07/2001 | | 1450 | <11.3 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|------------|----------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 697717 | SBI002:SB3:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 13:00 |
| Methyl t-butyl ether (MTBE) | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | bmh | SW 8260A | | |
| 4-Methyl-2-pentanone (MIBK) | <56.6 | ug/kg | dw | 08/07/2001 | 1450 | <56.6 | jxc | SW 8260A | | |
| n-Propylbenzene | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| Styrene | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| Naphthalene | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| 1,1,1,2-Tetrachloroethane | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| 1,1,2,2-Tetrachloroethane | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| Tetrachloroethene | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| Toluene | 27.6 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| 1,2,4-Trichlorobenzene | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| 1,1,1-Trichloroethane | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| 1,1,2-Trichloroethane | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| Trichloroethene | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| Trichlorofluoromethane | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| 1,2,3-Trichloropropane | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| 1,2,4-Trimethylbenzene | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| 1,3,5-Trimethylbenzene | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| Vinyl Acetate | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| Vinyl Chloride | <2.3 | ug/kg | dw | 08/07/2001 | 1450 | <2.3 | jxc | SW 8260A | | |
| Xylenes, Total | <5.7 | ug/kg | dw | 08/07/2001 | 1450 | <5.7 | jxc | SW 8260A | | |
| d4-1,2-Dichloroethane (surr) | 99 | % | | 08/07/2001 | 1450 | | jxc | SW 8260A | | |
| Dibromofluoromethane (surr) | 96 | % | | 08/07/2001 | 1450 | | jxc | SW 8260A | | |
| d8-Toluene (surr) | 97 | % | | 08/07/2001 | 1450 | | jxc | SW 8260A | | |
| Bromofluorobenzene (surr) | 93 | % | | 08/07/2001 | 1450 | | jxc | SW 8260A | | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697717 | SBI002:SB3:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 13:00 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| | Acenaphthene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Acenaphthylene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Anthracene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Benzo(a)anthracene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | 415 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Benzo(a)pyrene | 208 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <187 | jrw | SW 8270C |
| | Benzyl alcohol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Bis(2-chloroethyl)ether | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 4-Chloroaniline | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Chrysene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <187 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <187 | jrw | SW 8270C |
| | Dibenzofuran | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <747 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <747 | jrw | SW 8270C |
| | Diethyl phthalate | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|----------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697717 | SBI002:SB3:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 13:00 |
| | 2-Chlorophenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2-Methylphenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | meta & para-Methylphenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2-Nitrophenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Pentachlorophenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Phenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <373 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <373 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 69 | | † | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 67 | | † | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 63 | | † | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| | TPH - FTIR Non-aq | 240 | | mg/kg dw | 08/15/2001 | 591 | 623 | <50 | 260 | 418.1 |
| 697718 | SBI002:HMW13S:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 14:45 |
| | Dry Weight | 81.6 | | † | 08/14/2001 | | 1476 | | mhg | SM 2540 G. |
| | Prep, BNA Non-Aq | Complete | | | 08/07/2001 | 944 | | Complete | mrlr | EPA 625; SW 3540C; SW 3545 |
| | Prep, TPH 418.1 Nonaq | Complete | | | 08/14/2001 | 591 | | Complete | 260 | SW 9071 |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|------------|-------|----------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 697718 | SBI002:HMW13S:S140150:428 | | | | 08/06/2001 | 194 | | Complete | mlr | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/07/2001 | 1450 | Complete | jxc | | |
| Acetone | | 140 | | ug/kg dw | 08/07/2001 | 1450 | <123 | jxc | SW 8260A | |
| Benzene | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| tert-Butylbenzene | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| sec-Butylbenzene | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| n-Butylbenzene | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Bromochloromethane | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Bromodichloromethane | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Bromoform | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Bromobenzene | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| 2-Butanone (MEK) | | <61 | | ug/kg dw | 08/07/2001 | 1450 | <61 | jxc | SW 8260A | |
| Carbon disulfide | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Carbon tetrachloride | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Chlorobenzene | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Chloroethane | | <12.3 | | ug/kg dw | 08/07/2001 | 1450 | <12.3 | jxc | SW 8260A | |
| 2-Chlorotoluene | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| 4-Chlorotoluene | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Chloroform | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Chloromethane | | <12.3 | | ug/kg dw | 08/07/2001 | 1450 | <12.3 | jxc | SW 8260A | |
| Dibromochloromethane | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Dibromomethane | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |
| Dichlorodifluoromethane | | <6.1 | | ug/kg dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697718 | SBI002:HMW13S:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 14:45 |
| 1,2-Dibromo-3-chloropropane | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,2-Dichlorobenzene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,3-Dichlorobenzene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,4-Dichlorobenzene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,1-Dichloroethane | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,2-Dichloroethane | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,1-Dichloroethene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| cis-1,2-Dichloroethene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| trans-1,2-Dichloroethene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,2-Dichloropropane | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,3-Dichloropropane | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 2,2-Dichloropropane | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| 1,1-Dichloropropene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| cis-1,3-Dichloropropene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| trans-1,3-Dichloropropene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| Ethylbenzene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| Hexachlorobutadiene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| n-Hexane | <24.5 | ug/kg | dw | 08/07/2001 | 1450 | <24.5 | jxc | SW 8260A | | |
| 2-Hexanone | <61.3 | ug/kg | dw | 08/07/2001 | 1450 | <61.3 | jxc | SW 8260A | | |
| Isopropylbenzene (Cumene) | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| p-Isopropyltoluene | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | jxc | SW 8260A | | |
| Bromomethane | <12.3 | ug/kg | dw | 08/07/2001 | 1450 | <12.3 | jxc | SW 8260A | | |
| Methylene Chloride | <12.3 | ug/kg | dw | 08/07/2001 | 1450 | <12.3 | jxc | SW 8260A | | |
| Methyl t-butyl ether (MTBE) | <6.1 | ug/kg | dw | 08/07/2001 | 1450 | <6.1 | bmh | SW 8260A | | |
| 4-Methyl-2-pentanone (MIBK) | <61.3 | ug/kg | dw | 08/07/2001 | 1450 | <61.3 | jxc | SW 8260A | | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend, Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697718 | SBI002:HMW13S:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 14:45 |
| Acenaphthylene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Anthracene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Benzo(a)anthracene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Benzo(a)pyrene | | <202 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <202 | jrw | SW 8270C |
| Benzyl alcohol | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 4-Chloroaniline | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Chrysene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <202 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <202 | jrw | SW 8270C |
| Dibenzofuran | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <809 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <809 | jrw | SW 8270C |
| Diethyl phthalate | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| Dimethyl phthalate | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <404 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <404 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697719 | SBI002:HMW13S:S060070:428 | | | | | | | | | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/07/2001 | 1450 | Complete | | jxc | |
| Acetone | | <103 | | ug/kg dw | 08/07/2001 | 1450 | <103 | | jxc | SW 8260A |
| Benzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| tert-Butylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| sec-Butylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| n-Butylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Bromochloromethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Bromodichloromethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Bromoform | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Bromobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| 2-Butanone (MEK) | | <52 | | ug/kg dw | 08/07/2001 | 1450 | <52 | | jxc | SW 8260A |
| Carbon disulfide | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Carbon tetrachloride | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Chlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Chloroethane | | <10.3 | | ug/kg dw | 08/07/2001 | 1450 | <10.3 | | jxc | SW 8260A |
| 2-Chlorotoluene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| 4-Chlorotoluene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Chloroform | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Chloromethane | | <10.3 | | ug/kg dw | 08/07/2001 | 1450 | <10.3 | | jxc | SW 8260A |
| Dibromochloromethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Dibromomethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| Dichlorodifluoromethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | <5.2 | | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|------------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697719 | SBI002:HMW13S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 14:30 |
| 1,3-Dichlorobenzene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| 1,4-Dichlorobenzene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| 1,1-Dichloroethane | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| 1,2-Dichloroethane | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| 1,1-Dichloroethene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| cis-1,2-Dichloroethene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| trans-1,2-Dichloroethene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| 1,2-Dichloropropane | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| 1,3-Dichloropropane | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| 2,2-Dichloropropane | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| 1,1-Dichloropropene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| cis-1,3-Dichloropropene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| trans-1,3-Dichloropropene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| Ethylbenzene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| Hexachlorobutadiene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| n-Hexane | <20.6 | ug/kg | dw | 08/07/2001 | 1450 | <20.6 | jxc | SW | 8260A | |
| 2-Hexanone | <51.6 | ug/kg | dw | 08/07/2001 | 1450 | <51.6 | jxc | SW | 8260A | |
| Isopropylbenzene (Cumene) | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| p-Isopropyltoluene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| Bromomethane | <10.3 | ug/kg | dw | 08/07/2001 | 1450 | <10.3 | jxc | SW | 8260A | |
| Methylene Chloride | <10.3 | ug/kg | dw | 08/07/2001 | 1450 | <10.3 | jxc | SW | 8260A | |
| Methyl t-butyl ether (MTBE) | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | bmh | SW | 8260A | |
| 4-Methyl-2-pentanone (MIBK) | <51.6 | ug/kg | dw | 08/07/2001 | 1450 | <51.6 | jxc | SW | 8260A | |
| n-Propylbenzene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |
| Styrene | <5.2 | ug/kg | dw | 08/07/2001 | 1450 | <5.2 | jxc | SW | 8260A | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697719 | SBI002:HMW13S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 14:30 |
| | Benzo(a)anthracene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Benzo(a)pyrene | <170 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <170 | jrw | SW 8270C |
| | Benzyl alcohol | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Bis(2-chloroethyl) ether | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 4-Chloroaniline | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Chrysene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <170 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <170 | jrw | SW 8270C |
| | Dibenzofuran | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <681 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <681 | jrw | SW 8270C |
| | Diethyl phthalate | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Dimethyl phthalate | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| | Di-n-octylphthalate | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697719 | SBI002:HMW13S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 14:30 |
| Fluoranthene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Fluorene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Hexachlorobenzene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <681 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <681 | jrw | SW 8270C |
| Hexachloroethane | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Isophorone | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Naphthalene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Nitrobenzene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Phenanthrene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Pyrene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 68 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 73 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 71 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,700 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <1,700 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| 2-Chlorophenol | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 697719 | SBI002:HMW13S:S060070:428 | | | | | | | | | | 08/02/2001 14:30 |
| | -Methylphenol | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C | |
| | meta & para-Methylphenol | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C | |
| | 2-Nitrophenol | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C | |
| | Pentachlorophenol | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C | |
| | Phenol | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C | |
| | 2,4,5-Trichlorophenol | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C | |
| | 2,4,6-Trichlorophenol | <341 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <341 | jrw | SW 8270C | |
| | Surrogate: d6-Phenol | 66 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 67 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C | |
| | Surrogate: Tribromophenol | 53 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C | |
| | TPH - DRO Non-Aqueous | <10 | msdr | mg/kg dw | 08/13/2001 | 195 | 280 | <10 | meh | SW 8015M | |
| | TPH - FTIR Non-aq | <50 | | mg/kg dw | 08/15/2001 | 591 | 623 | <50 | 260 | 418.1 | |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN | | | | | | | | | |
|------------|--------------------------|------------------|--|----------|------------|-----|------|----------|-----|------------|--|
| 697720 | SBI002:HMW2S:S020020:428 | 08/02/2001 09:40 | | | | | | | | | |
| | Dry Weight | 73.6 | | % | 08/14/2001 | | 1476 | | mhg | SM 2540 G. | |
| | ICP NONAQUEOUS | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B | |
| | Arsenic, ICP | 25.0 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <4.3 | emd | SW 6010B | |
| | Barium, ICP | 58.6 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.88 | emd | SW 6010B | |
| | Cadmium, ICP | <1.3 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.3 | emd | SW 6010B | |
| | Chromium, ICP | 5.3 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.8 | emd | SW 6010B | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697720 | SBI002:HMW2S:S020020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 09:40 |
| Lead, ICP | | 38.5 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <3.5 | emd | SW 6010B |
| Mercury, CVAA | | 0.270 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.01 | epk | SW 7471A |
| Selenium, ICP | | <4.3 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <4.3 | emd | SW 6010B |
| Silver, ICP | | <1.8 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.8 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, TPH 418.1 Nonaq | | Complete | | | 08/14/2001 | 591 | | Complete | 260 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | | <136 | | ug/kg dw | 08/07/2001 | | 1450 | <136 | jxc | SW 8260A |
| Benzene | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| tert-Butylbenzene | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| sec-Butylbenzene | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| n-Butylbenzene | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| Bromochloromethane | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| Bromodichloromethane | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| Bromoform | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| Bromobenzene | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| 2-Butanone (MEK) | | <68 | | ug/kg dw | 08/07/2001 | | 1450 | <68 | jxc | SW 8260A |
| Carbon disulfide | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| Carbon tetrachloride | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| Chlorobenzene | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| Chloroethane | | <13.6 | | ug/kg dw | 08/07/2001 | | 1450 | <13.6 | jxc | SW 8260A |
| 2-Chlorotoluene | | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697720 | SBI002:HMW2S:S020020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 09:40 |
| | p-Chlorotoluene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Chloroform | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Chloromethane | <13.6 | | ug/kg dw | 08/07/2001 | | 1450 | <13.6 | jxc | SW 8260A |
| | Dibromochloromethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Dibromomethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Dichlorodifluoromethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,2-Dichlorobenzene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,3-Dichlorobenzene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,4-Dichlorobenzene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,1-Dichloroethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,2-Dichloroethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,1-Dichloroethene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | cis-1,2-Dichloroethene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | trans-1,2-Dichloroethene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,2-Dichloropropane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,3-Dichloropropane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 2,2-Dichloropropane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,1-Dichloropropene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | cis-1,3-Dichloropropene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | trans-1,3-Dichloropropene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Ethylbenzene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Hexachlorobutadiene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | n-Hexane | <27.2 | | ug/kg dw | 08/07/2001 | | 1450 | <27.2 | jxc | SW 8260A |
| | 2-Hexanone | <67.9 | | ug/kg dw | 08/07/2001 | | 1450 | <67.9 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697720 | SBI002:HMW2S:S020020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 09:40 |
| | Isopropylbenzene (Cumene) | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | p-Isopropyltoluene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Bromomethane | <13.6 | | ug/kg dw | 08/07/2001 | | 1450 | <13.6 | jxc | SW 8260A |
| | Methylene Chloride | <13.6 | | ug/kg dw | 08/07/2001 | | 1450 | <13.6 | jxc | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <67.9 | | ug/kg dw | 08/07/2001 | | 1450 | <67.9 | jxc | SW 8260A |
| | n-Propylbenzene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Styrene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Naphthalene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Tetrachloroethene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Toluene | 30.2 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,2,4-Trichlorobenzene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,1,1-Trichloroethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,1,2-Trichloroethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Trichloroethene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Trichlorofluoromethane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,2,3-Trichloropropane | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,2,4-Trimethylbenzene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | 1,3,5-Trimethylbenzene | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Vinyl Acetate | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | Vinyl Chloride | <2.7 | | ug/kg dw | 08/07/2001 | | 1450 | <2.7 | jxc | SW 8260A |
| | Xylenes, Total | <6.8 | | ug/kg dw | 08/07/2001 | | 1450 | <6.8 | jxc | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 95 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697720 | SBI002:HMW2S:S020020:428 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 09:40 |
| Dibromofluoromethane (surr) | 94 | % | | 08/07/2001 | | 1450 | | | jxc | SW 8260A |
| d8-Toluene (surr) | 95 | % | | 08/07/2001 | | 1450 | | | jxc | SW 8260A |
| Bromofluorobenzene (surr) | 94 | % | | 08/07/2001 | | 1450 | | | jxc | SW 8260A |
| TPH - GRO (Non-Aqueous) | <7 | mg/kg dw | | 08/07/2001 | | 245 | <7 | | meb | SW 8015M |
| TPH - FTIR Non-aq | <50 | mg/kg dw | | 08/15/2001 | 591 | 623 | <50 | | 260 | 418.1 |
| 697721 | SBI002:SB1:S160170:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:30 |
| Dry Weight | 87.4 | % | | 08/14/2001 | | 1476 | | | mhg | SM 2540 G. |
| Prep, PCBs Non-Aq 8082 | Complete | | | 08/09/2001 | 100 | | Complete | | mlr | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | 08/07/2001 | 944 | | Complete | | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | Complete | | | 08/14/2001 | 591 | | Complete | | 260 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | 08/07/2001 | | 1450 | Complete | | jxc | |
| Acetone | <114 | ug/kg dw | | 08/07/2001 | | 1450 | <114 | | jxc | SW 8260A |
| Benzene | <5.7 | ug/kg dw | | 08/07/2001 | | 1450 | <5.7 | | jxc | SW 8260A |
| tert-Butylbenzene | <5.7 | ug/kg dw | | 08/07/2001 | | 1450 | <5.7 | | jxc | SW 8260A |
| sec-Butylbenzene | <5.7 | ug/kg dw | | 08/07/2001 | | 1450 | <5.7 | | jxc | SW 8260A |
| n-Butylbenzene | <5.7 | ug/kg dw | | 08/07/2001 | | 1450 | <5.7 | | jxc | SW 8260A |
| Bromochloromethane | <5.7 | ug/kg dw | | 08/07/2001 | | 1450 | <5.7 | | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697721 | SBI002:SB1:S160170:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:30 |
| Bromodichloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Bromoform | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Bromobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 2-Butanone (MEK) | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Carbon disulfide | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Carbon tetrachloride | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Chlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Chloroethane | | <11.4 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <11.4 | jxc | SW 8260A |
| 2-Chlorotoluene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 4-Chlorotoluene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Chloroform | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Chloromethane | | <11.4 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <11.4 | jxc | SW 8260A |
| Dibromochloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Dibromomethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| Dichlorodifluoromethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,3-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697721 | SBI002:SB1:S160170:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:30 |
| | ,,3-Dichloropropane | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | 2,2-Dichloropropane | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1-Dichloropropene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | cis-1,3-Dichloropropene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | trans-1,3-Dichloropropene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | Ethylbenzene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | Hexachlorobutadiene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | n-Hexane | <22.9 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <22.9 | jxc | SW 8260A |
| | 2-Hexanone | <57.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <57.2 | jxc | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | p-Isopropyltoluene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | Bromomethane | <11.4 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <11.4 | jxc | SW 8260A |
| | Methylene Chloride | <11.4 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <11.4 | jxc | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <57.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <57.2 | jxc | SW 8260A |
| | n-Propylbenzene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | Styrene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | Naphthalene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | Tetrachloroethene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | Toluene | 21.6 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1,1-Trichloroethane | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |
| | 1,1,2-Trichloroethane | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.7 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697721 | SBI002:SB1:S160170:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:30 |
| Trichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Trichlorofluoromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,2,3-Trichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Vinyl Acetate | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/07/2001 | | 1450 | <2.3 | jxc | SW 8260A |
| Xylenes, Total | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 94 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| Dibromofluoromethane (surr) | | 92 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| d8-Toluene (surr) | | 92 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| Bromofluorobenzene (surr) | | 92 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| BASE NEUT. COMPS. -8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Acenaphthylene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Anthracene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Benzo(a)anthracene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Benzo(a)pyrene | | <189 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <189 | jrw | SW 8270C |
| Benzyl alcohol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697721 | SBI002:SB1:S160170:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:30 |
| | sis(2-ethylhexyl)phthalate | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 4-Chloroaniline | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Chrysene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <189 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <189 | jrw | SW 8270C |
| | Dibenzofuran | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <755 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <755 | jrw | SW 8270C |
| | Diethyl phthalate | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Dimethyl phthalate | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Di-n-octylphthalate | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Fluoranthene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Fluorene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Hexachlorobenzene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <755 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <755 | jrw | SW 8270C |
| | Hexachloroethane | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| | Isophorone | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697721 | SBI002:SB1:S160170:428 | | | | | | | | | DATE/TIME TAKEN 08/03/2001 09:30 |
| Naphthalene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Nitrobenzene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Phenanthrene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Pyrene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 86 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 90 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 92 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,890 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <1,890 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 2-Chlorophenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 2-Methylphenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| meta & para-Methylphenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 2-Nitrophenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Pentachlorophenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Phenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <378 | | ug/kg dw | 08/08/2001 | 944 | 1449 | <378 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 82 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|---------------------------|------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 697721 | SBI002:SB1:S160170:428 | | | | | | | | | | 08/03/2001 09:30 |
| Surrogate: 2-Fluorophenol | | 80 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C | |
| Surrogate: Tribromophenol | | 71 | | % | 08/08/2001 | 944 | 1449 | | jrw | SW 8270C | |
| PCB's M 8082, Non-Aq | | | | | | | | | | | |
| Aroclor 1016 | | <0.57 | | mg/kg dw | 08/16/2001 | 100 | 184 | <0.57 | mrh | SW 8082 | |
| Aroclor 1221 | | <0.57 | | mg/kg dw | 08/16/2001 | 100 | 184 | <0.57 | mrh | SW 8082 | |
| Aroclor 1232 | | <0.57 | | mg/kg dw | 08/16/2001 | 100 | 184 | <0.57 | mrh | SW 8082 | |
| Aroclor 1242 | | <0.57 | | mg/kg dw | 08/16/2001 | 100 | 184 | <0.57 | mrh | SW 8082 | |
| Aroclor 1248 | | <0.57 | | mg/kg dw | 08/16/2001 | 100 | 184 | <0.57 | mrh | SW 8082 | |
| Aroclor 1254 | | <0.57 | | mg/kg dw | 08/16/2001 | 100 | 184 | <0.57 | mrh | SW 8082 | |
| Aroclor 1260 | | <0.57 | | mg/kg dw | 08/16/2001 | 100 | 184 | <0.57 | mrh | SW 8082 | |
| Surrogate:TCX/DCB | | 70/82 | | % | 08/16/2001 | 100 | 184 | | mrh | SW 8082 | |
| TPH - FTIR Non-aq | | <50 | | mg/kg dw | 08/15/2001 | 591 | 623 | <50 | 260 | 418.1 | |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|--------------------------|------------------|
| 697722 | SBI002:HMW6S:S040060:505 | 08/02/2001 15:45 |

| | | | | | | | | |
|----------------|----------|----------|------------|------|----------|-------|------------|----------|
| Dry Weight | 90.6 | % | 08/14/2001 | 1476 | | mhg | SM 2540 G. | |
| ICP NONAQUEOUS | Complete | | 08/16/2001 | 1229 | Complete | emd | SW 6010B | |
| Arsenic, ICP | <3.4 | mg/kg dw | 08/16/2001 | 898 | 2956 | <3.4 | emd | SW 6010B |
| Barium, ICP | 141 | mg/kg dw | 08/16/2001 | 898 | 2887 | <0.70 | emd | SW 6010B |
| Cadmium, ICP | <1.0 | mg/kg dw | 08/16/2001 | 898 | 2869 | <1.0 | emd | SW 6010B |
| Chromium, ICP | 57.8 | mg/kg dw | 08/16/2001 | 898 | 2857 | <1.4 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|----------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697722 | SBI002:HMW6S:S040060:505 | | | | | | | | | |
| Lead, ICP | | 77.6 | | mg/kg dw | 08/16/2001 | 898 | 2858 | <2.8 | emd | SW 6010B |
| Mercury, CVAA | | 0.036 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.4 | | mg/kg dw | 08/16/2001 | 898 | 2936 | <3.4 | emd | SW 6010B |
| Silver, ICP | | <1.4 | | mg/kg dw | 08/16/2001 | 898 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/08/2001 | 898 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, PCBs Non-Aq 8082 | | Complete | | | 08/09/2001 | 100 | | Complete | mlr | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | | Complete | | | 08/07/2001 | 944 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | | 205 | | ug/kg dw | 08/07/2001 | | 1450 | <110 | jxc | SW 8260A |
| Benzene | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| tert-Butylbenzene | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| sec-Butylbenzene | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| n-Butylbenzene | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| Bromochloromethane | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| Bromodichloromethane | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| Bromoform | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| Bromobenzene | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| 2-Butanone (MEK) | | <55 | | ug/kg dw | 08/07/2001 | | 1450 | <55 | jxc | SW 8260A |
| Carbon disulfide | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| Carbon tetrachloride | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| Chlorobenzene | | <5.5 | | ug/kg dw | 08/07/2001 | | 1450 | <5.5 | jxc | SW 8260A |
| Chloroethane | | <11.0 | | ug/kg dw | 08/07/2001 | | 1450 | <11.0 | jxc | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697722 | SBI002:HMW6S:S040060:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 15:45 |
| | 2-Chlorotoluene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 4-Chlorotoluene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | Chloroform | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | Chloromethane | <11.0 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <11.0 | jxc | SW 8260A |
| | Dibromochloromethane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | Dibromomethane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | Dichlorodifluoromethane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,2-Dichlorobenzene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,3-Dichlorobenzene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,4-Dichlorobenzene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,1-Dichloroethane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,2-Dichloroethane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,1-Dichloroethene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | cis-1,2-Dichloroethene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | trans-1,2-Dichloroethene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,2-Dichloropropane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,3-Dichloropropane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 2,2-Dichloropropane | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | 1,1-Dichloropropene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | cis-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | trans-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | Ethylbenzene | 5.6 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | Hexachlorobutadiene | <5.5 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.5 | jxc | SW 8260A |
| | n-Hexane | <22.1 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <22.1 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697722 | SBI002:HMW6S:S040060:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 15:45 |
| d4-1,2-Dichloroethane (surr) | | 96 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| Dibromofluoromethane (surr) | | 96 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| d8-Toluene (surr) | | 97 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| Bromofluorobenzene (surr) | | 122 | note | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Acenaphthylene | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Anthracene | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Benzo(a)anthracene | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Benzo(a)pyrene | | <3,640 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <3,640 | jrw | SW 8270C |
| Benzyl alcohol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| 4-Chloroaniline | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Chrysene | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <3,640 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <3,640 | jrw | SW 8270C |
| Dibenzofuran | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697722 | SBI002:HMW6S:S040060:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 15:45 |
| 1,2-Dichlorobenzene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | <14,600 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <14,600 | jrw | SW 8270C |
| Diethyl phthalate | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Dimethyl phthalate | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Di-n-octylphthalate | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Fluoranthene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Fluorene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Hexachlorobenzene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | <14,600 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <14,600 | jrw | SW 8270C |
| Hexachloroethane | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Isophorone | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Naphthalene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Nitrobenzene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Phenanthrene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Pyrene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | <7,280 | ug/kg | dw | 08/10/2001 | 944 | 1454 | 1454 | <7,280 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | DL | % | | 08/10/2001 | 944 | 1454 | 1454 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | DL | % | | 08/10/2001 | 944 | 1454 | 1454 | | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------------------------|--------------------------|---------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 697722 | SBI002:HMW6S:S040060:505 | | | | | | | | | | 08/02/2001 15:45 |
| Surrogate: d14-Terphenyl | | DL | | % | 08/10/2001 | 944 | 1454 | | jrjw | SW 8270C | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | | |
| Benzoic Acid | | <36,400 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <36,400 | jrjw | SW 8270C | |
| 4-Chloro-3-methylphenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| 2-Chlorophenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| 2,4-Dichlorophenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| 2,4-Dimethylphenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| 2-Methyl-4,6-dinitrophenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| 2-Methylphenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| meta & para-Methylphenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| 2-Nitrophenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| Pentachlorophenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| Phenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| 2,4,5-Trichlorophenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| 2,4,6-Trichlorophenol | | <7,280 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <7,280 | jrjw | SW 8270C | |
| Surrogate: d6-Phenol | | DL | | % | 08/10/2001 | 944 | 1454 | | jrjw | SW 8270C | |
| Surrogate: 2-Fluorophenol | | DL | | % | 08/10/2001 | 944 | 1454 | | jrjw | SW 8270C | |
| Surrogate: Tribromophenol | | 220 | note | % | 08/10/2001 | 944 | 1454 | | jrjw | SW 8270C | |
| PCB's M 8082, Non-Aq | | | | | | | | | | | |
| Aroclor 1016 | | <0.55 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.55 | mrjw | SW 8082 | |
| Aroclor 1221 | | <0.55 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.55 | mrjw | SW 8082 | |
| Aroclor 1232 | | <0.55 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.55 | mrjw | SW 8082 | |
| Aroclor 1242 | | <0.55 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.55 | mrjw | SW 8082 | |
| Aroclor 1248 | | <0.55 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.55 | mrjw | SW 8082 | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697722 | SBI002:HMW6S:S040060:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 15:45 |
| Aroclor 1254 | | <0.55 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.55 | mrh | SW 8082 |
| Aroclor 1260 | | <0.55 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.55 | mrh | SW 8082 |
| Surrogate:TCX/DCB | | 69/62 | | % | 08/10/2001 | 100 | 181 | | mrh | SW 8082 |
| TPH - GRO (Non-Aqueous) | | <6 | | mg/kg dw | 08/07/2001 | | 245 | <6 | meh | SW 8015M |
| 697723 | SBI002:HMW6S:S180200:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 16:46 |
| Dry Weight | | 95.0 | | % | 08/14/2001 | | 1476 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/15/2001 | | 1219 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <6.9 | | mg/kg dw | 08/15/2001 | 898 | 2945 | <6.9 | emd | SW 6010B |
| Barium, ICP | | 10 | | mg/kg dw | 08/15/2001 | 898 | 2876 | <1.4 | emd | SW 6010B |
| Cadmium, ICP | | <2.1 | | mg/kg dw | 08/15/2001 | 898 | 2858 | <2.1 | emd | SW 6010B |
| Chromium, ICP | | 6.2 | | mg/kg dw | 08/15/2001 | 898 | 2846 | <2.7 | emd | SW 6010B |
| Lead, ICP | | 5.9 | | mg/kg dw | 08/15/2001 | 898 | 2847 | <5.6 | emd | SW 6010B |
| Mercury, CVAA | | <0.008 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.008 | epk | SW 7471A |
| Selenium, ICP | | <6.9 | | mg/kg dw | 08/15/2001 | 898 | 2925 | <6.9 | emd | SW 6010B |
| Silver, ICP | | <2.7 | | mg/kg dw | 08/15/2001 | 898 | 2878 | <2.7 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/08/2001 | 898 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, PCBs Non-Aq 8082 | | Complete | | | 08/09/2001 | 100 | | Complete | mlr | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | | Complete | | | 08/09/2001 | 945 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697723 | SBI002:HMW6S:S180200:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 16:46 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | <105 | ug/kg | dw | | 08/07/2001 | | 1450 | <105 | jxc | SW 8260A |
| Benzene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| tert-Butylbenzene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| sec-Butylbenzene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| n-Butylbenzene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Bromochloromethane | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Bromodichloromethane | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Bromoform | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Bromobenzene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 2-Butanone (MEK) | <53 | ug/kg | dw | | 08/07/2001 | | 1450 | <53 | jxc | SW 8260A |
| Carbon disulfide | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Carbon tetrachloride | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Chlorobenzene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Chloroethane | <10.5 | ug/kg | dw | | 08/07/2001 | | 1450 | <10.5 | jxc | SW 8260A |
| 2-Chlorotoluene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 4-Chlorotoluene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Chloroform | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Chloromethane | <10.5 | ug/kg | dw | | 08/07/2001 | | 1450 | <10.5 | jxc | SW 8260A |
| Dibromochloromethane | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Dibromomethane | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Dichlorodifluoromethane | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | <5.3 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697723 | SBI002:HMW6S:S180200:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 16:46 |
| 1,3-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| cis-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| trans-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Ethylbenzene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Hexachlorobutadiene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| n-Hexane | | <21.1 | | ug/kg dw | 08/07/2001 | | 1450 | <21.1 | jxc | SW 8260A |
| 2-Hexanone | | <52.6 | | ug/kg dw | 08/07/2001 | | 1450 | <52.6 | jxc | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| p-Isopropyltoluene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Bromomethane | | <10.5 | | ug/kg dw | 08/07/2001 | | 1450 | <10.5 | jxc | SW 8260A |
| Methylene Chloride | | <10.5 | | ug/kg dw | 08/07/2001 | | 1450 | <10.5 | jxc | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <52.6 | | ug/kg dw | 08/07/2001 | | 1450 | <52.6 | jxc | SW 8260A |
| n-Propylbenzene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |
| Styrene | | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|-------------------------------|------------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 697723 | SBI002:HMW6S:S180200:505 | | | | | | | | | | 08/02/2001 16:46 |
| | Anthalene | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | 1,1,1,2-Tetrachloroethane | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | 1,1,2,2-Tetrachloroethane | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | Tetrachloroethene | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | Toluene | 6.9 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | 1,2,4-Trichlorobenzene | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | 1,1,1-Trichloroethane | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | 1,1,2-Trichloroethane | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | Trichloroethene | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | Trichlorofluoromethane | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | 1,2,3-Trichloropropane | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | 1,2,4-Trimethylbenzene | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | 1,3,5-Trimethylbenzene | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | Vinyl Acetate | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/07/2001 | | 1450 | <2.1 | jxc | SW 8260A | |
| | Xylenes, Total | <5.3 | | ug/kg dw | 08/07/2001 | | 1450 | <5.3 | jxc | SW 8260A | |
| | d4-1,2-Dichloroethane (surr) | 96 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A | |
| | Dibromofluoromethane (surr) | 90 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A | |
| | d8-Toluene (surr) | 92 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A | |
| | Bromofluorobenzene (surr) | 93 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | | |
| | Acenaphthene | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrww | SW 8270C | |
| | Acenaphthylene | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrww | SW 8270C | |
| | Anthracene | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrww | SW 8270C | |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 697723 | SBI002:HMW6S:S180200:505 | | | | | | | | DATE/TIME TAKEN 08/02/2001 16:46 |
| Benzo(a)anthracene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Benzo(b)fluoranthene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Benzo(k)fluoranthene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Benzo(a)pyrene | | <174 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <174 | jrw SW 8270C |
| Benzyl alcohol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Benzyl butyl phthalate | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Bis(2-chloroethyl)ether | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Bis(2-chloroethoxy)methane | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 4-Bromophenyl phenyl ether | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 4-Chloroaniline | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 2-Chloronaphthalene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Chrysene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Dibenzo(a,h)anthracene | | <174 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <174 | jrw SW 8270C |
| Dibenzofuran | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 1,2-Dichlorobenzene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 1,3-Dichlorobenzene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 1,4-Dichlorobenzene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 3,3'-Dichlorobenzidine | | <695 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <695 | jrw SW 8270C |
| Diethyl phthalate | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Dimethyl phthalate | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 2,4-Dinitrotoluene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| 2,6-Dinitrotoluene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |
| Di-n-octylphthalate | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697723 | SBI002:HMW6S:S180200:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 16:46 |
| Fluoranthene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Fluorene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Hexachlorobenzene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <695 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <695 | jrw | SW 8270C |
| Hexachloroethane | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Isophorone | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Naphthalene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Nitrobenzene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Phenanthrene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Pyrene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 92 | | % | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 98 | | % | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 95 | | % | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,740 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <1,740 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| 2-Chlorophenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/23/2001

Job Number: 01.13924

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697723 | SBI002:HMW6S:S180200:505 | | | | | | | | | DATE/TIME TAKEN 08/02/2001 16:46 |
| 2-Methylphenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| meta & para-Methylphenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| 2-Nitrophenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Pentachlorophenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Phenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <347 | | ug/kg dw | 08/14/2001 | 945 | 1457 | <347 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 90 | | % | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 92 | | % | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 95 | | % | 08/14/2001 | 945 | 1457 | | jrw | SW 8270C |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | | <0.53 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.53 | mrh | SW 8082 |
| Aroclor 1221 | | <0.53 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.53 | mrh | SW 8082 |
| Aroclor 1232 | | <0.53 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.53 | mrh | SW 8082 |
| Aroclor 1242 | | <0.53 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.53 | mrh | SW 8082 |
| Aroclor 1248 | | <0.53 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.53 | mrh | SW 8082 |
| Aroclor 1254 | | <0.53 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.53 | mrh | SW 8082 |
| Aroclor 1260 | | <0.53 | | mg/kg dw | 08/10/2001 | 100 | 181 | <0.53 | mrh | SW 8082 |
| Surrogate: TCX/DCB | | 91/83 | | % | 08/10/2001 | 100 | 181 | | mrh | SW 8082 |
| TPH - GRO (Non-Aqueous) | | <5 | | mg/kg dw | 08/07/2001 | | 245 | <5 | meh | SW 8015M |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.13924

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.13924

Sample Number: 697722

Analysis: 8260 Soil

Recovery of surrogate bromofluorobenzene was above the recommended 74-121% range for this sample.

Sample Number: 697722

Analysis: 8270 BNA

The sample extract would not concentrate below 1 mL. The extract was diluted to bring internal standard response within compliance limits. The apparent recovery of 2,4,6-tribromophenol was above the recommended level.

Sample Number: 697716

Analysis: PCB's 8082

Surrogates designated "DL" were diluted below the reporting limit.

Sample Number: 697716

Analysis: 8270 Soils

Due to the nature of the sample matrix, recovery of internal standard d10-Phenanthrene exceeded the recommended 50-200% range and recovery of d12-Perylene was below the recommended range. Recovery of surrogate 2,4,6-Tribromophenol exceeded the recommended 19-122% range. No detections were noted above the reporting limit for any target analytes.

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-------------------------|----------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 697489 | SBI002:HA-1:S000005:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 12:50 |
| Dry Weight | | 90.8 | | % | 08/10/2001 | | 1474 | | emd | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/13/2001 | | 1206 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 13.4 | | mg/kg dw | 08/13/2001 | 894 | 2929 | <11 | emd | SW 6010B |
| Barium, ICP | | 63.9 | | mg/kg dw | 08/13/2001 | 894 | 2860 | <2.2 | emd | SW 6010B |
| Cadmium, ICP | | 4.4 | | mg/kg dw | 08/13/2001 | 894 | 2842 | <3.2 | emd | SW 6010B |
| Chromium, ICP | | 33.8 | | mg/kg dw | 08/13/2001 | 894 | 2830 | <4.3 | emd | SW 6010B |
| Lead, ICP | | 599 | | mg/kg dw | 08/13/2001 | 894 | 2831 | <8.7 | emd | SW 6010B |
| Mercury, CVAA | | 0.138 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <11 | | mg/kg dw | 08/13/2001 | 894 | 2909 | <11 | emd | SW 6010B |
| Silver, ICP | | <4.3 | | mg/kg dw | 08/13/2001 | 894 | 2862 | <4.3 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/07/2001 | 944 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | | <110 | | ug/kg dw | 08/09/2001 | | 1455 | <110 | bmh | SW 8260A |
| Benzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| n-Butylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromochloromethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromodichloromethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromoform | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

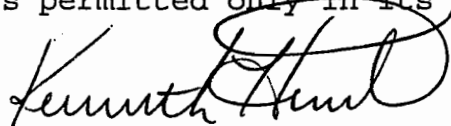
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 697489 | SBI002:HA-1:S000005:412 | 07/31/2001 | 08/02/2001 |
| 697490 | SBI002:HA-2:S000010:412 | 07/31/2001 | 08/02/2001 |
| 697491 | SBI002:HA-3:S000010:412 | 07/31/2001 | 08/02/2001 |
| 697492 | SBI002:HA-4:S000010:412 | 07/31/2001 | 08/02/2001 |
| 697493 | SBI002:GS-2:S005010:412 | 08/01/2001 | 08/02/2001 |
| 697496 | SBI002:GS-3:S005010:412 | 08/01/2001 | 08/02/2001 |
| 697497 | SBI002:FB1:505 | 08/01/2001 | 08/02/2001 |
| 697498 | SBI002:TB1 | 08/01/2001 | 08/02/2001 |
| 697499 | SBI002:GS-3D:S005010:412 | 08/01/2001 | 08/02/2001 |
| 697500 | SBI002:HMW4S:S000020:428 | 08/01/2001 | 08/02/2001 |
| 697501 | SBI002:HMW5S:S000020:428 | 08/01/2001 | 08/02/2001 |
| 697502 | SBI002:HMW3S:S060070:428 | 08/01/2001 | 08/02/2001 |
| 697503 | SBI002:HMW3S:S060085:428 | 08/01/2001 | 08/02/2001 |
| 697504 | SBI002:HMW1D:S000020:505 | 07/31/2001 | 08/02/2001 |
| 697505 | SBI002:HMW6D:S000020:505 | 08/01/2001 | 08/02/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697489 | SBI002:HA-1:S000005:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 12:50 |
| 2-Butanone (MEK) | | <55 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <55 | bmh | SW 8260A |
| Carbon disulfide | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| Chlorobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| Chloroethane | | <11.0 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.0 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| Chloroform | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| Chloromethane | | <11.0 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.0 | bmh | SW 8260A |
| Dibromochloromethane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| Dibromomethane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697489 | SBI002:HA-1:S000005:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 12:50 |
| | cis-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Ethylbenzene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | n-Hexane | <22.0 | | ug/kg dw | 08/09/2001 | | 1455 | <22.0 | bmh | SW 8260A |
| | 2-Hexanone | <55.1 | | ug/kg dw | 08/09/2001 | | 1455 | <55.1 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Bromomethane | <11.0 | | ug/kg dw | 08/09/2001 | | 1455 | <11.0 | bmh | SW 8260A |
| | Methylene Chloride | <11.0 | | ug/kg dw | 08/09/2001 | | 1455 | <11.0 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <55.1 | | ug/kg dw | 08/09/2001 | | 1455 | <55.1 | bmh | SW 8260A |
| | n-Propylbenzene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Styrene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Naphthalene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Tetrachloroethene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Toluene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Trichloroethene | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 697489 | SBI002:HA-1:S000005:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 12:50 |
| 1,2,4-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Vinyl Acetate | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/09/2001 | | 1455 | <2.2 | bmh | SW 8260A |
| Xylenes, Total | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 104 | | ‡ | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 102 | | ‡ | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 100 | | ‡ | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 99 | | ‡ | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Acenaphthylene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Anthracene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Benzo(a)anthracene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Benzo(a)pyrene | | <1,820 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <1,820 | jrw | SW 8270C |
| Benzyl alcohol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|---------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697489 | SBI002:HA-1:S000005:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 12:50 |
| 4-Chloroaniline | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Chrysene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <1,820 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <1,820 | jrw | SW 8270C |
| Dibenzofuran | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <7,270 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <7,270 | jrw | SW 8270C |
| Diethyl phthalate | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Dimethyl phthalate | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Di-n-octylphthalate | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Fluoranthene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Fluorene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Hexachlorobenzene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <7,270 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <7,270 | jrw | SW 8270C |
| Hexachloroethane | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Isophorone | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Naphthalene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Nitrobenzene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|---------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 697489 | SBI002:HA-1:S000005:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 12:50 |
| Phenanthrene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Pyrene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 110 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 112 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 115 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <18,200 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <18,200 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2-Chlorophenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2-Methylphenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| meta & para-Methylphenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2-Nitrophenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Pentachlorophenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Phenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <3,630 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <3,630 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 101 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | DL | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 152 | note | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697490 | SBI002:HA-2:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 10:10 |
| Dry Weight | 95.0 | % | | | 08/10/2001 | | 1474 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/13/2001 | | 1206 | Complete | emd | SW 6010B |
| Arsenic, ICP | 18 | mg/kg dw | | | 08/13/2001 | 894 | 2929 | <14 | emd | SW 6010B |
| Barium, ICP | 49.6 | mg/kg dw | | | 08/13/2001 | 894 | 2860 | <2.6 | emd | SW 6010B |
| Cadmium, ICP | <4.0 | mg/kg dw | | | 08/13/2001 | 894 | 2842 | <4.0 | emd | SW 6010B |
| Chromium, ICP | 32.5 | mg/kg dw | | | 08/13/2001 | 894 | 2830 | <5.3 | emd | SW 6010B |
| Lead, ICP | 449 | mg/kg dw | | | 08/13/2001 | 894 | 2831 | <11 | emd | SW 6010B |
| Mercury, CVAA | 0.114 | mg/kg dw | | | 08/13/2001 | 604 | 616 | <0.008 | epk | SW 7471A |
| Selenium, ICP | <14 | mg/kg dw | | | 08/13/2001 | 894 | 2909 | <14 | emd | SW 6010B |
| Silver, ICP | <5.3 | mg/kg dw | | | 08/13/2001 | 894 | 2862 | <5.3 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/07/2001 | 944 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | <105 | ug/kg dw | | | 08/09/2001 | | 1455 | <105 | bmh | SW 8260A |
| Benzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| tert-Butylbenzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| sec-Butylbenzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| n-Butylbenzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Bromochloromethane | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Bromodichloromethane | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Bromoform | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Bromobenzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697490 | SBI002:HA-2:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 10:10 |
| 2-Butanone (MEK) | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Carbon disulfide | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Carbon tetrachloride | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Chlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Chloroethane | | <10.5 | | ug/kg dw | 08/09/2001 | 1455 | <10.5 | bmh | SW 8260A | |
| 2-Chlorotoluene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 4-Chlorotoluene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Chloroform | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Chloromethane | | <10.5 | | ug/kg dw | 08/09/2001 | 1455 | <10.5 | bmh | SW 8260A | |
| Dibromochloromethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Dibromomethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Dichlorodifluoromethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,2-Dibromo-3-chloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,2-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,3-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,4-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,1-Dichloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,2-Dichloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,1-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| cis-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| trans-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,3-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 2,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,1-Dichloropropene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697490 | SBI002:HA-2:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 10:10 |
| | cis-1,3-Dichloropropene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Ethylbenzene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | n-Hexane | <21.1 | | ug/kg dw | 08/09/2001 | | 1455 | <21.1 | bmh | SW 8260A |
| | 2-Hexanone | <52.6 | | ug/kg dw | 08/09/2001 | | 1455 | <52.6 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Bromomethane | <10.5 | | ug/kg dw | 08/09/2001 | | 1455 | <10.5 | bmh | SW 8260A |
| | Methylene Chloride | <10.5 | | ug/kg dw | 08/09/2001 | | 1455 | <10.5 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <52.6 | | ug/kg dw | 08/09/2001 | | 1455 | <52.6 | bmh | SW 8260A |
| | n-Propylbenzene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Styrene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Naphthalene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Tetrachloroethene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Toluene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Trichloroethene | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697490 | SBI002:HA-2:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 10:10 |
| 1,2,4-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Vinyl Acetate | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 101 | | % | 08/09/2001 | 1455 | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 101 | | % | 08/09/2001 | 1455 | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 96 | | % | 08/09/2001 | 1455 | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 96 | | % | 08/09/2001 | 1455 | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS. -8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Acenaphthylene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Anthracene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Benzo(a)anthracene | | 839 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | 1,690 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | 362 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Benzo(a)pyrene | | 748 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <174 | jrw | SW 8270C |
| Benzyl alcohol | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | 493 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |

ANALYTICAL REPORT

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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697490 | SBI002:HA-2:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 10:10 |
| 4-Chloroaniline | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Chrysene | | 1,580 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <174 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <174 | jrw | SW 8270C |
| Dibenzofuran | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <695 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <695 | jrw | SW 8270C |
| Diethyl phthalate | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Dimethyl phthalate | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Di-n-octylphthalate | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Fluoranthene | | 644 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Fluorene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Hexachlorobenzene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <695 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <695 | jrw | SW 8270C |
| Hexachloroethane | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Isophorone | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Naphthalene | | 927 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| Nitrobenzene | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <347 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-------------------------|----------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697490 | SBI002:HA-2:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 10:10 |
| Phenanthrene | 1,170 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| Pyrene | 1,540 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 1,2,4-Trichlorobenzene | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| Surrogate: d5-Nitrobenzene | 84 | % | | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorobiphenyl | 127 | % | | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C | |
| Surrogate: d14-Terphenyl | 234 | note % | | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | <1,740 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <1,740 | jrw | SW 8270C | |
| 4-Chloro-3-methylphenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 2-Chlorophenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 2,4-Dichlorophenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 2,4-Dimethylphenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 2-Methyl-4,6-dinitrophenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 2-Methylphenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| meta & para-Methylphenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 2-Nitrophenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| Pentachlorophenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| Phenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 2,4,5-Trichlorophenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| 2,4,6-Trichlorophenol | <347 | ug/kg dw | | 08/09/2001 | 944 | 1455 | <347 | jrw | SW 8270C | |
| Surrogate: d6-Phenol | 105 | % | | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorophenol | 101 | % | | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C | |
| Surrogate: Tribromophenol | 91 | % | | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|-------------------------|----------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 697491 | SBI002:HA-3:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 15:30 |
| Dry Weight | | 78.7 | | % | 08/10/2001 | | 1474 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/13/2001 | | 1206 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 114 | | mg/kg dw | 08/13/2001 | 894 | 2929 | <8.3 | emd | SW 6010B |
| Barium, ICP | | 454 | | mg/kg dw | 08/13/2001 | 894 | 2860 | <1.7 | emd | SW 6010B |
| Cadmium, ICP | | <2.5 | | mg/kg dw | 08/13/2001 | 894 | 2842 | <2.5 | emd | SW 6010B |
| Chromium, ICP | | 13.2 | | mg/kg dw | 08/13/2001 | 894 | 2830 | <3.3 | emd | SW 6010B |
| Lead, ICP | | 278 | | mg/kg dw | 08/13/2001 | 894 | 2831 | <6.6 | emd | SW 6010B |
| Mercury, CVAA | | 0.188 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.01 | epk | SW 7471A |
| Selenium, ICP | | <8.3 | | mg/kg dw | 08/13/2001 | 894 | 2909 | <8.3 | emd | SW 6010B |
| Silver, ICP | | <3.3 | | mg/kg dw | 08/13/2001 | 894 | 2862 | <3.3 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/07/2001 | 944 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <419 | | ug/kg dw | 08/09/2001 | | 1455 | <419 | jrw | SW 8270C |
| Acenaphthylene | | 1,000 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| Anthracene | | 1,860 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| Benzo(a)anthracene | | 2,830 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <4,190 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <3,810 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | 1,910 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| Benzo(a)pyrene | | 3,100 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <210 | jrw | SW 8270C |
| Benzyl alcohol | | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697491 | SBI002:HA-3:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 15:30 |
| | Bis(2-chloroethoxy)methane | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 4-Chloroaniline | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Chrysene | 3,190 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <210 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <210 | jrw | SW 8270C |
| | Dibenzofuran | 914 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <839 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <839 | jrw | SW 8270C |
| | Diethyl phthalate | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Dimethyl phthalate | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Di-n-octylphthalate | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Fluoranthene | 3,770 | | ug/kg dw | 08/10/2001 | 944 | 1454 | <3,680 | jrw | SW 8270C |
| | Fluorene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Hexachlorobenzene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <839 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <839 | jrw | SW 8270C |
| | Hexachloroethane | <419 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | 584 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <419 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|---------------------------|-------------------------|--------|----------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697491 | SBI002:HA-3:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 15:30 |
| Surrogate: d6-Phenol | 120 | ‡ | | 08/09/2001 | 944 | 1455 | | | jrj | SW 8270C |
| Surrogate: 2-Fluorophenol | 112 | ‡ | | 08/09/2001 | 944 | 1455 | | | jrj | SW 8270C |
| Surrogate: Tribromophenol | 110 | ‡ | | 08/09/2001 | 944 | 1455 | | | jrj | SW 8270C |
| 697492 | SBI002:HA-4:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 16:40 |
| Dry Weight | 83.7 | ‡ | | 08/10/2001 | | 1474 | | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | 08/13/2001 | | 1206 | Complete | | emd | SW 6010B |
| Arsenic, ICP | 11 | | mg/kg dw | 08/13/2001 | 894 | 2929 | <7.8 | | emd | SW 6010B |
| Barium, ICP | 89.1 | | mg/kg dw | 08/13/2001 | 894 | 2860 | <1.6 | | emd | SW 6010B |
| Cadmium, ICP | <2.4 | | mg/kg dw | 08/13/2001 | 894 | 2842 | <2.4 | | emd | SW 6010B |
| Chromium, ICP | 41 | | mg/kg dw | 08/13/2001 | 894 | 2830 | <3.1 | | emd | SW 6010B |
| Lead, ICP | 45.5 | | mg/kg dw | 08/13/2001 | 894 | 2831 | <6.2 | | emd | SW 6010B |
| Mercury, CVAA | 0.203 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.008 | | epk | SW 7471A |
| Selenium, ICP | <7.8 | | mg/kg dw | 08/13/2001 | 894 | 2909 | <7.8 | | emd | SW 6010B |
| Silver, ICP | <3.1 | | mg/kg dw | 08/13/2001 | 894 | 2862 | <3.1 | | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | 08/06/2001 | 894 | | Complete | | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | 08/11/2001 | 604 | | Complete | | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | 08/07/2001 | 944 | | Complete | | mlr | EPA 625; SW 3540C; SW 3545 |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697492 | SBI002:HA-4:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 16:40 |
| Acenaphthene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Acenaphthylene | | 421 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Anthracene | | 410 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Benzo(a)anthracene | | 670 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | 2,450 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | 633 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Benzo(a)pyrene | | 907 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <197 | jrw | SW 8270C |
| Benzyl alcohol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 4-Chloroaniline | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Chrysene | | 783 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <197 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <197 | jrw | SW 8270C |
| Dibenzofuran | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <789 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <789 | jrw | SW 8270C |
| Diethyl phthalate | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Dimethyl phthalate | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 697492 | SBI002:HA-4:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 16:40 |
| 2,4-Dinitrotoluene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Di-n-octylphthalate | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Fluoranthene | 1,020 | | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Fluorene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Hexachlorobenzene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <789 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <789 | jrw | SW 8270C |
| Hexachloroethane | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Isophorone | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Naphthalene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Nitrobenzene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Phenanthrene | 475 0 | | | ug/kg | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Pyrene | 1,820 | | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | 38 | | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | 43 | | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | 51 | | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,970 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <1,970 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2-Chlorophenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697492 | SBI002:HA-4:S000010:412 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 16:40 |
| 2,4-Dichlorophenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2-Methylphenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| meta & para-Methylphenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2-Nitrophenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Pentachlorophenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Phenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <394 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <394 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 35 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 32 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 36 | note | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN | | | | | | | | |
|----------------|-------------------------|------------------|--|----------|------------|-----|------|----------|-----|------------|
| 697493 | SBI002:GS-2:S005010:412 | 08/01/2001 11:25 | | | | | | | | |
| Dry Weight | | 87.8 | | % | 08/10/2001 | | 1474 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/14/2001 | | 1208 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <11 | | mg/kg dw | 08/14/2001 | 894 | 2932 | <11 | emd | SW 6010B |
| Barium, ICP | | 32.7 | | mg/kg dw | 08/13/2001 | 894 | 2860 | <1.5 | emd | SW 6010B |
| Cadmium, ICP | | <2.3 | | mg/kg dw | 08/13/2001 | 894 | 2842 | <2.3 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|-------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697493 | SBI002:GS-2:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:25 |
| Chromium, ICP | | 17.0 | | mg/kg dw | 08/13/2001 | 894 | 2830 | <3.0 | emd | SW 6010B |
| Lead, ICP | | 240 | | mg/kg dw | 08/13/2001 | 894 | 2831 | <6.0 | emd | SW 6010B |
| Mercury, CVAA | | 0.059 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <7.5 | | mg/kg dw | 08/13/2001 | 894 | 2909 | <7.5 | emd | SW 6010B |
| Silver, ICP | | <3.0 | | mg/kg dw | 08/13/2001 | 894 | 2862 | <3.0 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/07/2001 | 943 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | | COMPLETE | | | 08/09/2001 | 585 | | Complete | 260 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | | <114 | | ug/kg dw | 08/07/2001 | | 1450 | <114 | jxc | SW 8260A |
| Benzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| tert-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| sec-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| n-Butylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromochloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromodichloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromoform | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Bromobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 2-Butanone (MEK) | | <57 | | ug/kg dw | 08/07/2001 | | 1450 | <57 | jxc | SW 8260A |
| Carbon disulfide | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Carbon tetrachloride | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Chlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697493 | SBI002:GS-2:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:25 |
| Chloroethane | | <11.4 | | ug/kg dw | 08/07/2001 | | 1450 | <11.4 | jxc | SW 8260A |
| 2-Chlorotoluene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 4-Chlorotoluene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Chloroform | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Chloromethane | | <11.4 | | ug/kg dw | 08/07/2001 | | 1450 | <11.4 | jxc | SW 8260A |
| Dibromochloromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Dibromomethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Dichlorodifluoromethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,3-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| cis-1,3-Dichloropropene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| trans-1,3-Dichloropropene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Ethylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| Hexachlorobutadiene | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697493 | SBI002:GS-2:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:25 |
| n-Hexane | | <22.8 | | ug/kg dw | 08/07/2001 | 1450 | | <22.8 | jxc | SW 8260A |
| 2-Hexanone | | <56.9 | | ug/kg dw | 08/07/2001 | 1450 | | <56.9 | jxc | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| p-Isopropyltoluene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Bromomethane | | <11.4 | | ug/kg dw | 08/07/2001 | 1450 | | <11.4 | jxc | SW 8260A |
| Methylene Chloride | | <11.4 | | ug/kg dw | 08/07/2001 | 1450 | | <11.4 | jxc | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.0 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <56.9 | | ug/kg dw | 08/07/2001 | 1450 | | <56.9 | jxc | SW 8260A |
| n-Propylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Styrene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Naphthalene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Tetrachloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Toluene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| 1,1,1-Trichloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| 1,1,2-Trichloroethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Trichloroethene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Trichlorofluoromethane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| 1,2,3-Trichloropropane | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Vinyl Acetate | | <5.7 | | ug/kg dw | 08/07/2001 | 1450 | | <5.7 | jxc | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/07/2001 | 1450 | | <2.3 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697493 | SBI002:GS-2:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:25 |
| Xylenes, Total | | <5.7 | | ug/kg dw | 08/07/2001 | | 1450 | <5.7 | jxc | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 100 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| Dibromofluoromethane (surr) | | 97 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| d8-Toluene (surr) | | 97 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| Bromofluorobenzene (surr) | | 95 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Acenaphthylene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Anthracene | | 1,250 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Benzo(a)anthracene | | 1,420 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | <3,760 | | ug/kg dw | 08/09/2001 | 943 | 1455 | <2,850 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | 1,060 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Benzo(a)pyrene | | 2,820 | SS | ug/kg dw | 08/08/2001 | 943 | 1449 | <188 | jrjw | SW 8270C |
| Benzyl alcohol | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Bis(2-chloroethyl) ether | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| 4-Chloroaniline | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Chrysene | | 3,310 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrjw | SW 8270C |
| Dibenzo(a,h)anthracene | | <188 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <188 | jrjw | SW 8270C |

ANALYTICAL REPORT

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Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|----------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697493 | SBI002:GS-2:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:25 |
| Dibenzofuran | | 866 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <752 | SS | ug/kg dw | 08/08/2001 | 943 | 1449 | <752 | jrw | SW 8270C |
| Diethyl phthalate | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Dimethyl phthalate | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <376 | SS | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <376 | SS | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Di-n-octylphthalate | | <376 | SS | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Fluoranthene | | <3,760 | | ug/kg dw | 08/09/2001 | 943 | 1455 | <3,420 | jrw | SW 8270C |
| Fluorene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Hexachlorobenzene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <752 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <752 | jrw | SW 8270C |
| Hexachloroethane | | <376 | SS | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Isophorone | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Naphthalene | | 2,640 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Nitrobenzene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Phenanthrene | | 4,850 | | ug/kg dw | 08/09/2001 | 943 | 1455 | <3,760 | jrw | SW 8270C |
| Pyrene | | 3,190 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 86 | | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697493 | SBI002:GS-2:S005010:412 | | | | | | | | | |
| | Surrogate: 2-Fluorobiphenyl | 95 | | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 102 | | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,880 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <1,880 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | 2-Chlorophenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | 662 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | 2-Methylphenol | 702 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | meta & para-Methylphenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | 2-Nitrophenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | Pentachlorophenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | Phenol | 1,360 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <376 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <376 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 81 | | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 82 | | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 85 | note | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| | TPH - FTIR Non-aq | 550 | | mg/kg dw | 08/09/2001 | 585 | 618 | <50 | 260 | 418.1 |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697496 | SBI002:GS-3:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| Dry Weight | | 95.3 | | % | 08/10/2001 | | 1474 | | mbg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/13/2001 | | 1206 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 33.3 | | mg/kg dw | 08/13/2001 | 894 | 2929 | <6.9 | emd | SW 6010B |
| Barium, ICP | | 115 | | mg/kg dw | 08/13/2001 | 894 | 2860 | <1.4 | emd | SW 6010B |
| Cadmium, ICP | | <2.1 | | mg/kg dw | 08/13/2001 | 894 | 2842 | <2.1 | emd | SW 6010B |
| Chromium, ICP | | 15.5 | | mg/kg dw | 08/13/2001 | 894 | 2830 | <2.7 | emd | SW 6010B |
| Lead, ICP | | 259 | | mg/kg dw | 08/13/2001 | 894 | 2831 | <5.6 | emd | SW 6010B |
| Mercury, CVAA | | 0.058 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.008 | epk | SW 7471A |
| Selenium, ICP | | <6.9 | | mg/kg dw | 08/13/2001 | 894 | 2909 | <6.9 | emd | SW 6010B |
| Silver, ICP | | <2.7 | | mg/kg dw | 08/13/2001 | 894 | 2862 | <2.7 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/07/2001 | 943 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | | COMPLETE | | | 08/09/2001 | 585 | | Complete | 260 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | | <105 | | ug/kg dw | 08/09/2001 | | 1455 | <105 | bmh | SW 8260A |
| Benzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| n-Butylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Bromochloromethane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Bromodichloromethane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Bromoform | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697496 | SBI002:GS-3:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| Bromobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Carbon disulfide | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Chlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Chloroethane | | <10.5 | | ug/kg dw | 08/09/2001 | | 1455 | <10.5 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Chloroform | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Chloromethane | | <10.5 | | ug/kg dw | 08/09/2001 | | 1455 | <10.5 | bmh | SW 8260A |
| Dibromochloromethane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Dibromomethane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC: (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697496 | SBI002:GS-3:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| 1,1-Dichloropropene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Ethylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| n-Hexane | | <21.0 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <21.0 | bmh | SW 8260A |
| 2-Hexanone | | <52.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <52.5 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Bromomethane | | <10.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.5 | bmh | SW 8260A |
| Methylene Chloride | | <10.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.5 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <52.5 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <52.5 | bmh | SW 8260A |
| n-Propylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Styrene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Naphthalene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Tetrachloroethene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Toluene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Trichloroethene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697496 | SBI002:GS-3:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| 1,2,3-Trichloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Vinyl Acetate | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/09/2001 | | 1455 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 103 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 104 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 96 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 95 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Acenaphthylene | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Anthracene | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Benzo(a)anthracene | | 379 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | 562 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Benzo(a)pyrene | | 269 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <173 | jrw | SW 8270C |
| Benzyl alcohol | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Bis(2-chloroethyl) ether | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <346 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C |

ANALYTICAL REPORT

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 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|-------------------------|----------|------------|-------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 697496 | SBI002:GS-3:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| 4-Bromophenyl phenyl ether | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| 4-Chloroaniline | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| 2-Chloronaphthalene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Chrysene | 445 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Dibenzo (a,h)anthracene | <173 | ug/kg dw | 08/08/2001 | 943 | 1449 | <173 | jrw | SW 8270C | | |
| Dibenzofuran | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| 1,2-Dichlorobenzene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| 1,3-Dichlorobenzene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| 1,4-Dichlorobenzene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| 3,3'-Dichlorobenzidine | <693 | ug/kg dw | 08/08/2001 | 943 | 1449 | <693 | jrw | SW 8270C | | |
| Diethyl phthalate | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Dimethyl phthalate | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| 2,4-Dinitrotoluene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| 2,6-Dinitrotoluene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Di-n-octylphthalate | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Fluoranthene | 598 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Fluorene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Hexachlorobenzene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Hexachloro-1,3-butadiene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Hexachlorocyclopentadiene | <693 | ug/kg dw | 08/08/2001 | 943 | 1449 | <693 | jrw | SW 8270C | | |
| Hexachloroethane | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Indeno(1,2,3-cd)pyrene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Isophorone | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Naphthalene | 363 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |
| Nitrobenzene | <346 | ug/kg dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | | |

ANALYTICAL REPORT

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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|------------|----------|-------|--------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 697496 | SBI002:GS-3:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| N-Nitrosodi-n-propylamine | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| Phenanthrene | 688 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| Pyrene | 856 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 1,2,4-Trichlorobenzene | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| Surrogate: d5-Nitrobenzene | 84 | % | | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorobiphenyl | 95 | % | | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C | |
| Surrogate: d14-Terphenyl | 135 | % | | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | <1,730 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <1,730 | jrw | SW 8270C | |
| 4-Chloro-3-methylphenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 2-Chlorophenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 2,4-Dichlorophenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 2,4-Dimethylphenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 2-Methyl-4,6-dinitrophenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 2-Methylphenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| meta & para-Methylphenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 2-Nitrophenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| Pentachlorophenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| Phenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 2,4,5-Trichlorophenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| 2,4,6-Trichlorophenol | <346 | ug/kg | dw | 08/08/2001 | 943 | 1449 | <346 | jrw | SW 8270C | |
| Surrogate: d6-Phenol | 80 | % | | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorophenol | 79 | % | | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C | |
| Surrogate: Tribromophenol | 76 | note | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | |
|--------------------------|---------------------------|----------|---------------|-------------------|------------------|-----------------|------------------------|-----------------------------|--|
| SAMPLE NO. | SAMPLE DESCRIPTION | | | | | | DATE/TIME TAKEN | | |
| 697496 | SBI002:GS-3:S005010:412 | | | | | | 08/01/2001 11:15 | | |
| TPH - FTIR Non-aq | <50 | mg/kg dw | 08/09/2001 | 585 | 618 | <50 | 260 | 418.1 | |
| SAMPLE NO. | SAMPLE DESCRIPTION | | | | | | DATE/TIME TAKEN | | |
| 697497 | SBI002:FB1:505 | | | | | | 08/01/2001 17:00 | | |
| ICPMS TOTAL METALS | Complete | | 08/10/2001 | | 2444 | Complete | kmb | SW 6020 | |
| Arsenic, ICPMS | <0.0050 | mg/L | 08/10/2001 | 1796 | 3542 | <0.0050 | kmb | SW 6020 | |
| Barium, ICPMS | <0.0050 | mg/L | 08/10/2001 | 1796 | 3752 | <0.0050 | kmb | SW 6020 | |
| Cadmium, ICPMS | <0.0010 | mg/L | 08/10/2001 | 1796 | 3422 | <0.0010 | kmb | SW 6020 | |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | 08/10/2001 | 1796 | 3800 | <0.0050 | kmb | SW 6020 | |
| Lead, ICPMS | <0.0010 | mg/L | 08/10/2001 | 1796 | 3499 | <0.0010 | kmb | SW 6020 | |
| Mercury, CVAA | <0.0002 | mg/L | 08/07/2001 | 1360 | 1299 | <0.0002 | epk | SW 7470A | |
| Selenium, GFAA | <0.0050 | mg/L | 08/26/2001 | 728 | 561 | <0.0050 | lnh | SW 7740 | |
| Silver, ICPMS | <0.0005 | mg/L | 08/10/2001 | 1796 | 3756 | <0.0005 | kmb | SW 6020 | |
| Metals Digestion, ICPMS | Complete | | 08/07/2001 | 1796 | | Complete | clm | SW 3010A | |
| Metals Digestion, GFAA | Complete | | 08/06/2001 | 728 | | Complete | mrt | SW 3020A | |
| Manual Mercury Digestion | Complete | | 08/06/2001 | 1360 | | Complete | clm | SW 7470A | |
| Prep, Base Neutral | Complete | | 08/02/2001 | 1251 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 | |
| Prep, Acid Extractable | Complete | | 08/02/2001 | 1251 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 | |
| Prep, TPH - 418.1 aq | COMPLETE | | 08/10/2001 | 592 | | Complete | 260 | EPA 418.1 | |

VOLATILE COMPOUNDS - 8260 (AQ)

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697497 | SBI002:FB1:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 17:00 |
| 8260 - SW846 (AQ) | | Complete | | | 08/10/2001 | | 3472 | Complete | bmh | |
| Acetone | | <20.0 | | ug/L | 08/10/2001 | | 3472 | <20.0 | bmh | SW 8260A |
| Benzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| tert-Butylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| sec-Butylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| n-Butylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromochloromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromodichloromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromoform | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 08/10/2001 | | 3472 | <12.5 | bmh | SW 8260A |
| Carbon disulfide | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Carbon tetrachloride | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Chlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Chloroethane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 2-Chlorotoluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 4-Chlorotoluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Chloroform | | 1.8 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Chloromethane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Dibromochloromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Dibromomethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697497 | SBI002:FB1:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 17:00 |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Ethylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| n-Hexane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 2-Hexanone | | <12.5 | | ug/L | 08/10/2001 | | 3472 | <12.5 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| p-Isopropyltoluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromomethane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Methylene Chloride | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 08/10/2001 | | 3472 | <12.5 | bmh | SW 8260A |
| n-Propylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Styrene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Naphthalene | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697497 | SBI002:FB1:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 17:00 |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 97 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 99 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 99 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 102 | note | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| BASE NEUTRAL COMP. (AQ) | 8270 | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrjw | SW 8270C |
| Benzo (a) anthracene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697497 | SBI002:FB1:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 17:00 |
| Fluorene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 08/16/2001 | 1251 | 2653 | <20 | jrw | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Isophorone | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Naphthalene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Pyrene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 82 | | † | 08/16/2001 | 1251 | 2653 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 87 | | † | 08/16/2001 | 1251 | 2653 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 94 | | † | 08/16/2001 | 1251 | 2653 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 08/16/2001 | 1251 | 2653 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 08/16/2001 | 1251 | 2653 | <10 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|--------------------------------|--------------------|----------|------|-------|------------|-------|-------|-----------|----------|----------|-----------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | | |
| 697498 | SBI002:TB1 | | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 08/10/2001 | | 3472 | Complete | bmh | | |
| Acetone | | <20.0 | | ug/L | 08/10/2001 | | 3472 | <20.0 | bmh | SW 8260A | |
| Benzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| tert-Butylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| sec-Butylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| n-Butylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Bromochloromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Bromodichloromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Bromoform | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Bromobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 08/10/2001 | | 3472 | <12.5 | bmh | SW 8260A | |
| Carbon disulfide | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Carbon tetrachloride | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Chlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Chloroethane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A | |
| 2-Chlorotoluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| 4-Chlorotoluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Chloroform | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Chloromethane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A | |
| Dibromochloromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Dibromomethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A | |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A | |

DATE/TIME TAKEN
 08/01/2001

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------|--------|------|------------|----------|--------|--------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| | | | | | | Number | Number | Limit | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| 697498 | SBI002:TB1 | | | | | | | | | 08/01/2001 |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| 1,1-Dichloroethane | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| 1,2-Dichloroethane | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| 1,1-Dichloroethene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| 1,2-Dichloropropane | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| 1,3-Dichloropropane | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| 2,2-Dichloropropane | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| 1,1-Dichloropropene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| Ethylbenzene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| Hexachlorobutadiene | <5.0 | ug/L | | 08/10/2001 | | 3472 | | <5.0 | bmh | SW 8260A |
| n-Hexane | <5.0 | ug/L | | 08/10/2001 | | 3472 | | <5.0 | bmh | SW 8260A |
| 2-Hexanone | <12.5 | ug/L | | 08/10/2001 | | 3472 | | <12.5 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| p-Isopropyltoluene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| Bromomethane | <5.0 | ug/L | | 08/10/2001 | | 3472 | | <5.0 | bmh | SW 8260A |
| Methylene Chloride | <5.0 | ug/L | | 08/10/2001 | | 3472 | | <5.0 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | <5.0 | ug/L | | 08/10/2001 | | 3472 | | <5.0 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | | 08/10/2001 | | 3472 | | <12.5 | bmh | SW 8260A |
| n-Propylbenzene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |
| Styrene | <1.0 | ug/L | | 08/10/2001 | | 3472 | | <1.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 697498 | SBI002:TB1 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 |
| Naphthalene | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 92 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 92 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 99 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 102 | note | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697499 | SBI002:GS-3D:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| Dry Weight | 96.0 | % | | | 08/10/2001 | | 1474 | | emd | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/13/2001 | | 1206 | Complete | emd | SW 6010B |
| Arsenic, ICP | <10 | mg/kg dw | | | 08/13/2001 | 894 | 2929 | <10 | emd | SW 6010B |
| Barium, ICP | 80.3 | mg/kg dw | | | 08/13/2001 | 894 | 2860 | <2.1 | emd | SW 6010B |
| Cadmium, ICP | <3.1 | mg/kg dw | | | 08/13/2001 | 894 | 2842 | <3.1 | emd | SW 6010B |
| Chromium, ICP | 80.2 | mg/kg dw | | | 08/13/2001 | 894 | 2830 | <4.2 | emd | SW 6010B |
| Lead, ICP | 38.6 | mg/kg dw | | | 08/13/2001 | 894 | 2831 | <8.3 | emd | SW 6010B |
| Mercury, CVAA | 0.054 | mg/kg dw | | | 08/13/2001 | 604 | 616 | <0.008 | epk | SW 7471A |
| Selenium, ICP | <10 | mg/kg dw | | | 08/13/2001 | 894 | 2909 | <10 | emd | SW 6010B |
| Silver, ICP | <4.2 | mg/kg dw | | | 08/13/2001 | 894 | 2862 | <4.2 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/07/2001 | 943 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/09/2001 | 585 | | Complete | 260 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | <104 | ug/kg dw | | | 08/09/2001 | | 1455 | <104 | bmh | SW 8260A |
| Benzene | <5.2 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| tert-Butylbenzene | <5.2 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| sec-Butylbenzene | <5.2 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| n-Butylbenzene | <5.2 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Bromochloromethane | <5.2 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Bromodichloromethane | <5.2 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Bromoform | <5.2 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

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 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697499 | SBI002:GS-3D:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| Bromobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Carbon disulfide | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Chlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Chloroethane | | <10.4 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.4 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Chloroform | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Chloromethane | | <10.4 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.4 | bmh | SW 8260A |
| Dibromochloromethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Dibromomethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

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 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|----------|------------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697499 | SBI002:GS-3D:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| 1,1-Dichloropropene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| cis-1,3-Dichloropropene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| trans-1,3-Dichloropropene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Ethylbenzene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Hexachlorobutadiene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| n-Hexane | <20.8 | ug/kg dw | 08/09/2001 | 1455 | <20.8 | bmh | SW 8260A | | | |
| 2-Hexanone | <52.1 | ug/kg dw | 08/09/2001 | 1455 | <52.1 | bmh | SW 8260A | | | |
| Isopropylbenzene (Cumene) | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| p-Isopropyltoluene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Bromomethane | <10.4 | ug/kg dw | 08/09/2001 | 1455 | <10.4 | bmh | SW 8260A | | | |
| Methylene Chloride | <10.4 | ug/kg dw | 08/09/2001 | 1455 | <10.4 | bmh | SW 8260A | | | |
| Methyl t-butyl ether (MTBE) | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| 4-Methyl-2-pentanone (MIBK) | <52.1 | ug/kg dw | 08/09/2001 | 1455 | <52.1 | bmh | SW 8260A | | | |
| n-Propylbenzene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Styrene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Naphthalene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| 1,1,1,2-Tetrachloroethane | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| 1,1,2,2-Tetrachloroethane | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Tetrachloroethene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Toluene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| 1,2,4-Trichlorobenzene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| 1,1,1-Trichloroethane | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| 1,1,2-Trichloroethane | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Trichloroethene | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |
| Trichlorofluoromethane | <5.2 | ug/kg dw | 08/09/2001 | 1455 | <5.2 | bmh | SW 8260A | | | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697499 | SBI002:GS-3D:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| 1,2,3-Trichloropropane | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Vinyl Acetate | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/09/2001 | | 1455 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.2 | | ug/kg dw | 08/09/2001 | | 1455 | <5.2 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 99 | | ‡ | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 100 | | ‡ | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 96 | | ‡ | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 95 | | ‡ | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Acenaphthylene | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Anthracene | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Benzo(a)anthracene | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Benzo(a)pyrene | | <172 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <172 | jrw | SW 8270C |
| Benzyl alcohol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |

ANALYTICAL REPORT

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08/27/2001

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Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|--------------------------|----------|------------|-------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697499 | SBI002:GS-3D:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| 4-Bromophenyl phenyl ether | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| 4-Chloroaniline | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| 2-Chloronaphthalene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Chrysene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Dibenzo(a,h)anthracene | <172 | ug/kg dw | 08/08/2001 | 943 | 1449 | <172 | jrw | SW 8270C | | |
| Dibenzofuran | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| 1,2-Dichlorobenzene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| 1,3-Dichlorobenzene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| 1,4-Dichlorobenzene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| 3,3'-Dichlorobenzidine | <688 | ug/kg dw | 08/08/2001 | 943 | 1449 | <688 | jrw | SW 8270C | | |
| Diethyl phthalate | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Dimethyl phthalate | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| 2,4-Dinitrotoluene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| 2,6-Dinitrotoluene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Di-n-octylphthalate | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Fluoranthene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Fluorene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Hexachlorobenzene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Hexachloro-1,3-butadiene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Hexachlorocyclopentadiene | <688 | ug/kg dw | 08/08/2001 | 943 | 1449 | <688 | jrw | SW 8270C | | |
| Hexachloroethane | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Indeno(1,2,3-cd)pyrene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Isophorone | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Naphthalene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |
| Nitrobenzene | <344 | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C | | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697499 | SBI002:GS-3D:S005010:412 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 11:15 |
| N-Nitrosodi-n-propylamine | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Phenanthrene | | 409 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Pyrene | | 351 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 75 | | ‡ | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 85 | | ‡ | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 128 | | ‡ | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,720 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <1,720 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2-Chlorophenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2-Methylphenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| meta & para-Methylphenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2-Nitrophenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Pentachlorophenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Phenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <344 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <344 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 73 | | ‡ | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 71 | | ‡ | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 69 | note | ‡ | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | |
|---------------------------------------|---------------------------|----------|---------------|-------------------|------------------|-----------------|------------------------|----------------------------|--|
| SAMPLE NO. | SAMPLE DESCRIPTION | | | | | | DATE/TIME TAKEN | | |
| 697499 | SBI002:GS-3D:S005010:412 | | | | | | 08/01/2001 11:15 | | |
| TPH - FTIR Non-aq | <50 | mg/kg dw | 08/09/2001 | 585 | 618 | <50 | 260 | 418.1 | |
| SAMPLE NO. | SAMPLE DESCRIPTION | | | | | | DATE/TIME TAKEN | | |
| 697500 | SBI002:HMW4S:S000020:428 | | | | | | 08/01/2001 09:20 | | |
| Dry Weight | 86.1 | g | 08/10/2001 | | 1474 | | mhg | SM 2540 G. | |
| ICP NONAQUEOUS | Complete | | 08/13/2001 | | 1206 | Complete | emd | SW 6010B | |
| Arsenic, ICP | 15.8 | mg/kg dw | 08/13/2001 | 894 | 2929 | <11 | emd | SW 6010B | |
| Barium, ICP | 215 | mg/kg dw | 08/13/2001 | 894 | 2860 | <2.3 | emd | SW 6010B | |
| Cadmium, ICP | <3.4 | mg/kg dw | 08/13/2001 | 894 | 2842 | <3.4 | emd | SW 6010B | |
| Chromium, ICP | 11 | mg/kg dw | 08/13/2001 | 894 | 2830 | <4.5 | emd | SW 6010B | |
| Lead, ICP | 426 | mg/kg dw | 08/13/2001 | 894 | 2831 | <9.1 | emd | SW 6010B | |
| Mercury, CVAA | 1.10 | mg/kg dw | 08/13/2001 | 604 | 616 | <0.038 | epk | SW 7471A | |
| Selenium, ICP | <11 | mg/kg dw | 08/13/2001 | 894 | 2909 | <11 | emd | SW 6010B | |
| Silver, ICP | <4.5 | mg/kg dw | 08/13/2001 | 894 | 2862 | <4.5 | emd | SW 6010B | |
| ICP Digestion, Nonaqueous | Complete | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B | |
| Mercury Digestion, Non-Aq | Complete | | 08/11/2001 | 604 | | Complete | epk | SW 7471A | |
| Prep, BNA Non-Aq | Complete | | 08/07/2001 | 943 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | 08/09/2001 | | 1455 | Complete | bmh | | |
| Acetone | <116 | ug/kg dw | 08/09/2001 | | 1455 | <116 | bmh | SW 8260A | |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697500 | SBI002:HMW4S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 09:20 |
| Benzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| n-Butylbenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Bromochloromethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Bromodichloromethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Bromoform | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Bromobenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <58 | | ug/kg dw | 08/09/2001 | | 1455 | <58 | bmh | SW 8260A |
| Carbon disulfide | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Chlorobenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Chloroethane | | <11.6 | | ug/kg dw | 08/09/2001 | | 1455 | <11.6 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Chloroform | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Chloromethane | | <11.6 | | ug/kg dw | 08/09/2001 | | 1455 | <11.6 | bmh | SW 8260A |
| Dibromochloromethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Dibromomethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697500 | SBI002:HMW4S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 09:20 |
| 1,2-Dichloroethane | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| Ethylbenzene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| n-Hexane | | <23.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <23.2 | bmh | SW 8260A |
| 2-Hexanone | | <58.1 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <58.1 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| Bromomethane | | <11.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.6 | bmh | SW 8260A |
| Methylene Chloride | | <11.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.6 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <58.1 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <58.1 | bmh | SW 8260A |
| n-Propylbenzene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| Styrene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| Naphthalene | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697500 | SBI002:HMW4S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 09:20 |
| Tetrachloroethene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Toluene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Trichloroethene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Vinyl Acetate | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/09/2001 | | 1455 | <2.3 | bmh | SW 8260A |
| Xylenes, Total | | <5.8 | | ug/kg dw | 08/09/2001 | | 1455 | <5.8 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 102 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 99 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 96 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 95 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Acenaphthylene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Anthracene | | 466 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Benzo(a)anthracene | | 1,120 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | 1,610 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | 531 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697500 | SBI002:HMW4S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 09:20 |
| Benzo(a)pyrene | | 913 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <192 | jrw | SW 8270C |
| Benzyl alcohol | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Bis(2-chloroethyl) ether | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Bis(2-chloroethoxy) methane | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Bis(2-ethylhexyl) phthalate | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 4-Chloroaniline | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Chrysene | | 1,030 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <192 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <192 | jrw | SW 8270C |
| Dibenzofuran | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <767 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <767 | jrw | SW 8270C |
| Diethyl phthalate | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Dimethyl phthalate | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Di-n-octylphthalate | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Fluoranthene | | 1,850 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Fluorene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| Hexachlorobenzene | | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|--------------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697500 | SBI002:HMW4S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 09:20 |
| | Pentachlorophenol | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| | Phenol | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <383 | | ug/kg dw | 08/08/2001 | 943 | 1449 | <383 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 65 | | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 55 | | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 60 | note | % | 08/08/2001 | 943 | 1449 | | jrw | SW 8270C |
| | TPH - GRO (Non-Aqueous) | <6 | | mg/kg dw | 08/06/2001 | | 245 | <6 | meh | SW 8015M |
| 697501 | SBI002:HMW5S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 12:45 |
| | Dry Weight | 93.3 | | % | 08/10/2001 | | 1474 | | mhg | SM 2540 G. |
| | Prep, BNA Non-Aq | Complete | | | 08/07/2001 | 944 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| | Prep, TPH 418.1 Nonaq | COMPLETE | | | 08/09/2001 | 585 | | Complete | 260 | SW 9071 |
| | VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | |
| | 8260 - SW846 (Non-aq) | Complete | | | 08/07/2001 | | 1450 | Complete | jxc | |
| | Acetone | <107 | | ug/kg dw | 08/07/2001 | | 1450 | <107 | jxc | SW 8260A |
| | Benzene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | tert-Butylbenzene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | sec-Butylbenzene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697501 | SBI002:HMW5S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 12:45 |
| n-Butylbenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromochloromethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromodichloromethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromoform | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 2-Butanone (MEK) | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Carbon disulfide | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Carbon tetrachloride | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Chlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Chloroethane | | <10.7 | | ug/kg dw | 08/07/2001 | | 1450 | <10.7 | jxc | SW 8260A |
| 2-Chlorotoluene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 4-Chlorotoluene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Chloroform | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Chloromethane | | <10.7 | | ug/kg dw | 08/07/2001 | | 1450 | <10.7 | jxc | SW 8260A |
| Dibromochloromethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Dibromomethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Dichlorodifluoromethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,3-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697501 | SBI002:HMW5S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 12:45 |
| | trans-1,2-Dichloroethene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | 1,2-Dichloropropane | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | 1,3-Dichloropropane | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | 2,2-Dichloropropane | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | 1,1-Dichloropropene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | cis-1,3-Dichloropropene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | trans-1,3-Dichloropropene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | Ethylbenzene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | Hexachlorobutadiene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | n-Hexane | <21.4 | | ug/kg dw | 08/07/2001 | | 1450 | <21.4 | jxc | SW 8260A |
| | 2-Hexanone | <53.6 | | ug/kg dw | 08/07/2001 | | 1450 | <53.6 | jxc | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | p-Isopropyltoluene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | Bromomethane | <10.7 | | ug/kg dw | 08/07/2001 | | 1450 | <10.7 | jxc | SW 8260A |
| | Methylene Chloride | <10.7 | | ug/kg dw | 08/07/2001 | | 1450 | <10.7 | jxc | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <53.6 | | ug/kg dw | 08/07/2001 | | 1450 | <53.6 | jxc | SW 8260A |
| | n-Propylbenzene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | Styrene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | Naphthalene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | Tetrachloroethene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | Toluene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 697501 | SBI002:HMW5S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 12:45 |
| | Bis(2-chloroethyl)ether | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 4-Chloroaniline | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Chrysene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <177 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <177 | jrw | SW 8270C |
| | Dibenzofuran | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <707 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <707 | jrw | SW 8270C |
| | Diethyl phthalate | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Dimethyl phthalate | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Di-n-octylphthalate | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Fluoranthene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Fluorene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Hexachlorobenzene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <707 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <707 | jrw | SW 8270C |
| | Hexachloroethane | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697501 | SBI002:HMW5S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 12:45 |
| 2,4,6-Trichlorophenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrjw | SW 8270C |
| Surrogate: d6-Phenol | | 77 | | % | 08/09/2001 | 944 | 1455 | | jrjw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 72 | | % | 08/09/2001 | 944 | 1455 | | jrjw | SW 8270C |
| Surrogate: Tribromophenol | | 75 | | % | 08/09/2001 | 944 | 1455 | | jrjw | SW 8270C |
| TPH - FTIR Non-aq | | 160 | | mg/kg dw | 08/09/2001 | 585 | 618 | <50 | 260 | 418.1 |
| 697502 | SBI002:HMW3S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 07:25 |
| Dry Weight | | 93.0 | | % | 08/10/2001 | | 1474 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/13/2001 | | 1206 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <6.9 | | mg/kg dw | 08/13/2001 | 894 | 2929 | <6.9 | emd | SW 6010B |
| Barium, ICP | | 26.6 | | mg/kg dw | 08/13/2001 | 894 | 2860 | <1.4 | emd | SW 6010B |
| Cadmium, ICP | | <2.0 | | mg/kg dw | 08/13/2001 | 894 | 2842 | <2.0 | emd | SW 6010B |
| Chromium, ICP | | 7.8 | | mg/kg dw | 08/13/2001 | 894 | 2830 | <2.7 | emd | SW 6010B |
| Lead, ICP | | 27.8 | | mg/kg dw | 08/13/2001 | 894 | 2831 | <5.5 | emd | SW 6010B |
| Mercury, CVAA | | 0.018 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.008 | epk | SW 7471A |
| Selenium, ICP | | <6.9 | | mg/kg dw | 08/13/2001 | 894 | 2909 | <6.9 | emd | SW 6010B |
| Silver, ICP | | <2.7 | | mg/kg dw | 08/13/2001 | 894 | 2862 | <2.7 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697502 | SBI002:HMW3S:S060070:428 | | | | | | | | | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | <108 | ug/kg | dw | | 08/07/2001 | | 1450 | <108 | jxc | SW 8260A |
| Benzene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| tert-Butylbenzene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| sec-Butylbenzene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| n-Butylbenzene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromochloromethane | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromodichloromethane | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromoform | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromobenzene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 2-Butanone (MEK) | <54 | ug/kg | dw | | 08/07/2001 | | 1450 | <54 | jxc | SW 8260A |
| Carbon disulfide | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Carbon tetrachloride | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Chlorobenzene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Chloroethane | <10.8 | ug/kg | dw | | 08/07/2001 | | 1450 | <10.8 | jxc | SW 8260A |
| 2-Chlorotoluene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 4-Chlorotoluene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Chloroform | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Chloromethane | <10.8 | ug/kg | dw | | 08/07/2001 | | 1450 | <10.8 | jxc | SW 8260A |
| Dibromochloromethane | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Dibromomethane | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Dichlorodifluoromethane | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | <5.4 | ug/kg | dw | | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 697502 | SBI002:HMW3S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 07:25 |
| 1,3-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| cis-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| trans-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Ethylbenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Hexachlorobutadiene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| n-Hexane | | <21.5 | | ug/kg dw | 08/07/2001 | | 1450 | <21.5 | jxc | SW 8260A |
| 2-Hexanone | | <53.8 | | ug/kg dw | 08/07/2001 | | 1450 | <53.8 | jxc | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| p-Isopropyltoluene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromomethane | | <10.8 | | ug/kg dw | 08/07/2001 | | 1450 | <10.8 | jxc | SW 8260A |
| Methylene Chloride | | <10.8 | | ug/kg dw | 08/07/2001 | | 1450 | <10.8 | jxc | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <53.8 | | ug/kg dw | 08/07/2001 | | 1450 | <53.8 | jxc | SW 8260A |
| n-Propylbenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Styrene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697502 | SBI002:HMW3S:S060070:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 07:25 |
| Naphthalene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Tetrachloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Toluene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1,1-Trichloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1,2-Trichloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Trichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Trichlorofluoromethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2,3-Trichloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Vinyl Acetate | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/07/2001 | | 1450 | <2.2 | jxc | SW 8260A |
| Xylenes, Total | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 98 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| Dibromofluoromethane (surr) | | 97 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| d8-Toluene (surr) | | 97 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| Bromofluorobenzene (surr) | | 93 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697503 | SBI002:HMW3S:S060085:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 07:30 |
| Dry Weight | 96.6 | % | | | 08/10/2001 | | 1474 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/13/2001 | | 1206 | Complete | emd | SW 6010B |
| Arsenic, ICP | <6.7 | mg/kg dw | | | 08/13/2001 | 894 | 2929 | <6.7 | emd | SW 6010B |
| Barium, ICP | 8.0 | mg/kg dw | | | 08/13/2001 | 894 | 2860 | <1.3 | emd | SW 6010B |
| Cadmium, ICP | <2.0 | mg/kg dw | | | 08/13/2001 | 894 | 2842 | <2.0 | emd | SW 6010B |
| Chromium, ICP | 7.3 | mg/kg dw | | | 08/13/2001 | 894 | 2830 | <2.7 | emd | SW 6010B |
| Lead, ICP | 6.1 | mg/kg dw | | | 08/13/2001 | 894 | 2831 | <5.4 | emd | SW 6010B |
| Mercury, CVAA | <0.008 | mg/kg dw | | | 08/13/2001 | 604 | 616 | <0.008 | epk | SW 7471A |
| Selenium, ICP | <6.7 | mg/kg dw | | | 08/13/2001 | 894 | 2909 | <6.7 | emd | SW 6010B |
| Silver, ICP | <2.7 | mg/kg dw | | | 08/13/2001 | 894 | 2862 | <2.7 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | <104 | ug/kg dw | | | 08/07/2001 | | 1450 | <104 | jxc | SW 8260A |
| Benzene | <5.2 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| tert-Butylbenzene | <5.2 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| sec-Butylbenzene | <5.2 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| n-Butylbenzene | <5.2 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromochloromethane | <5.2 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromodichloromethane | <5.2 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromoform | <5.2 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromobenzene | <5.2 | ug/kg dw | | | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 2-Butanone (MEK) | <52 | ug/kg dw | | | 08/07/2001 | | 1450 | <52 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697503 | SBI002:HMW3S:S060085:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 07:30 |
| Carbon disulfide | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| Carbon tetrachloride | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| Chlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| Chloroethane | | <10.4 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <10.4 | jxc | SW 8260A |
| 2-Chlorotoluene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 4-Chlorotoluene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| Chloroform | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| Chloromethane | | <10.4 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <10.4 | jxc | SW 8260A |
| Dibromochloromethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| Dibromomethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| Dichlorodifluoromethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,3-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |
| cis-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/07/2001 | 1450 | 1450 | <5.2 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697503 | SBI002:HMW3S:S060085:428 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 07:30 |
| | trans-1,3-Dichloropropene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Ethylbenzene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Hexachlorobutadiene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | n-Hexane | <20.7 | | ug/kg dw | 08/07/2001 | | 1450 | <20.7 | jxc | SW 8260A |
| | 2-Hexanone | <51.8 | | ug/kg dw | 08/07/2001 | | 1450 | <51.8 | jxc | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | p-Isopropyltoluene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Bromomethane | <10.4 | | ug/kg dw | 08/07/2001 | | 1450 | <10.4 | jxc | SW 8260A |
| | Methylene Chloride | <10.4 | | ug/kg dw | 08/07/2001 | | 1450 | <10.4 | jxc | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <51.8 | | ug/kg dw | 08/07/2001 | | 1450 | <51.8 | jxc | SW 8260A |
| | n-Propylbenzene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Styrene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Naphthalene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Tetrachloroethene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Toluene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | 1,1,1-Trichloroethane | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | 1,1,2-Trichloroethane | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Trichloroethene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | Trichlorofluoromethane | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | 1,2,3-Trichloropropane | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | 1,2,4-Trimethylbenzene | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------------------------|--------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 697503 | SBI002:HMW3S:S060085:428 | | | | | | | | | | 08/01/2001 07:30 |
| 1,3,5-Trimethylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A | |
| Vinyl Acetate | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A | |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/07/2001 | | 1450 | <2.1 | jxc | SW 8260A | |
| Xylenes, Total | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A | |
| d4-1,2-Dichloroethane (surr) | | 95 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A | |
| Dibromofluoromethane (surr) | | 93 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A | |
| d8-Toluene (surr) | | 97 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A | |
| Bromofluorobenzene (surr) | | 92 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A | |
| 697504 | SBI002:HMW1D:S000020:505 | | | | | | | | | | 07/31/2001 08:40 |

| | | | | | | | | | | |
|----------------|----------|----------|--|------------|-----|------|----------|--|-----|------------|
| Dry Weight | 93.2 | % | | 08/10/2001 | | 1474 | | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | 08/13/2001 | | 1206 | Complete | | emd | SW 6010B |
| Arsenic, ICP | 7.4 | mg/kg dw | | 08/13/2001 | 894 | 2929 | <7.0 | | emd | SW 6010B |
| Barium, ICP | 194 | mg/kg dw | | 08/13/2001 | 894 | 2860 | <1.4 | | emd | SW 6010B |
| Cadmium, ICP | <2.1 | mg/kg dw | | 08/13/2001 | 894 | 2842 | <2.1 | | emd | SW 6010B |
| Chromium, ICP | 9.0 | mg/kg dw | | 08/13/2001 | 894 | 2830 | <2.8 | | emd | SW 6010B |
| Lead, ICP | 68.0 | mg/kg dw | | 08/13/2001 | 894 | 2831 | <5.6 | | emd | SW 6010B |
| Mercury, CVAA | 0.10 | mg/kg dw | | 08/13/2001 | 604 | 616 | <0.009 | | epk | SW 7471A |
| Selenium, ICP | <7.0 | mg/kg dw | | 08/13/2001 | 894 | 2909 | <7.0 | | emd | SW 6010B |
| Silver, ICP | <2.8 | mg/kg dw | | 08/13/2001 | 894 | 2862 | <2.8 | | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|--------------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697504 | SBI002:HMW1D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 08:40 |
| | ICP Digestion, Nonaqueous | Complete | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| | Prep, BNA Non-Aq | Complete | | | 08/07/2001 | 944 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| | VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | |
| | 8260 - SW846 (Non-aq) | Complete | | | 08/07/2001 | 1450 | | Complete | jxc | |
| | Acetone | <107 | | ug/kg dw | 08/07/2001 | 1450 | | <107 | jxc | SW 8260A |
| | Benzene | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | tert-Butylbenzene | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | sec-Butylbenzene | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | n-Butylbenzene | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Bromochloromethane | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Bromodichloromethane | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Bromoform | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Bromobenzene | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | 2-Butanone (MEK) | <54 | | ug/kg dw | 08/07/2001 | 1450 | | <54 | jxc | SW 8260A |
| | Carbon disulfide | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Carbon tetrachloride | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Chlorobenzene | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Chloroethane | <10.7 | | ug/kg dw | 08/07/2001 | 1450 | | <10.7 | jxc | SW 8260A |
| | 2-Chlorotoluene | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | 4-Chlorotoluene | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Chloroform | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |
| | Chloromethane | <10.7 | | ug/kg dw | 08/07/2001 | 1450 | | <10.7 | jxc | SW 8260A |
| | Dibromochloromethane | <5.4 | | ug/kg dw | 08/07/2001 | 1450 | | <5.4 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697504 | SBI002:HMW1D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 08:40 |
| Dibromomethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Dichlorodifluoromethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,3-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| cis-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| trans-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Ethylbenzene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Hexachlorobutadiene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| n-Hexane | | <21.5 | | ug/kg dw | 08/07/2001 | | 1450 | <21.5 | jxc | SW 8260A |
| 2-Hexanone | | <53.6 | | ug/kg dw | 08/07/2001 | | 1450 | <53.6 | jxc | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| p-Isopropyltoluene | | <5.4 | | ug/kg dw | 08/07/2001 | | 1450 | <5.4 | jxc | SW 8260A |
| Bromomethane | | <10.7 | | ug/kg dw | 08/07/2001 | | 1450 | <10.7 | jxc | SW 8260A |
| Methylene Chloride | | <10.7 | | ug/kg dw | 08/07/2001 | | 1450 | <10.7 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697504 | SBI002:HMW1D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 08:40 |
| Methyl t-butyl ether (MTBE) | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | bmh | SW 8260A | | |
| 4-Methyl-2-pentanone (MIBK) | <53.6 | ug/kg | dw | 08/07/2001 | 1450 | <53.6 | jxc | SW 8260A | | |
| n-Propylbenzene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| Styrene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| Naphthalene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| 1,1,1,2-Tetrachloroethane | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| 1,1,2,2-Tetrachloroethane | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| Tetrachloroethene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| Toluene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| 1,2,4-Trichlorobenzene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| 1,1,1-Trichloroethane | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| 1,1,2-Trichloroethane | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| Trichloroethene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| Trichlorofluoromethane | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| 1,2,3-Trichloropropane | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| 1,2,4-Trimethylbenzene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| 1,3,5-Trimethylbenzene | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| Vinyl Acetate | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| Vinyl Chloride | <2.1 | ug/kg | dw | 08/07/2001 | 1450 | <2.1 | jxc | SW 8260A | | |
| Xylenes, Total | <5.4 | ug/kg | dw | 08/07/2001 | 1450 | <5.4 | jxc | SW 8260A | | |
| d4-1,2-Dichloroethane (surr) | 99 | % | | 08/07/2001 | 1450 | | jxc | SW 8260A | | |
| Dibromofluoromethane (surr) | 95 | % | | 08/07/2001 | 1450 | | jxc | SW 8260A | | |
| d8-Toluene (surr) | 97 | % | | 08/07/2001 | 1450 | | jxc | SW 8260A | | |
| Bromofluorobenzene (surr) | 93 | % | | 08/07/2001 | 1450 | | jxc | SW 8260A | | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|-------------------------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|------------------|
| | | | | | | Batch Number | Batch Number | | |
| 697504 | SBI002:HMW1D:S000020:505 | | | | | | | | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | |
| | Acenaphthene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Acenaphthylene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Anthracene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Benzo(a)anthracene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Benzo(b)fluoranthene | 563 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Benzo(k)fluoranthene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Benzo(a)pyrene | 277 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <177 | jrw SW 8270C |
| | Benzyl alcohol | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Benzyl butyl phthalate | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Bis(2-chloroethyl)ether | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Bis(2-chloroethoxy)methane | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | 4-Bromophenyl phenyl ether | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | 4-Chloroaniline | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | 2-Chloronaphthalene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Chrysene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | Dibenzo(a,h)anthracene | <177 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <177 | jrw SW 8270C |
| | Dibenzofuran | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | 1,2-Dichlorobenzene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | 1,3-Dichlorobenzene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | 1,4-Dichlorobenzene | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |
| | 3,3'-Dichlorobenzidine | <708 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <708 | jrw SW 8270C |
| | Diethyl phthalate | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697504 | SBI002:HMW1D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 08:40 |
| Dimethyl phthalate | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Di-n-octylphthalate | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Fluoranthene | | 586 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Fluorene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Hexachlorobenzene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <708 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <708 | jrw | SW 8270C |
| Hexachloroethane | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Isophorone | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Naphthalene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Nitrobenzene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Phenanthrene | | 357 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Pyrene | | 544 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 84 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 92 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 93 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,770 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <1,770 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697504 | SBI002:HMW1D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 07/31/2001 08:40 |
| 2-Chlorophenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2-Methylphenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| meta & para-Methylphenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2-Nitrophenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Pentachlorophenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Phenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <354 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <354 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 79 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 73 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 77 | | % | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| TPH - GRO (Non-Aqueous) | | <5 | ss | mg/kg dw | 08/06/2001 | | 245 | <5 | meb | SW 8015M |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|--------------------------|-----------------|
| 697505 | SBI002:HMW6D:S000020:505 | 08/01/2001 |

| | | | | | | | | |
|----------------|----------|----------|------------|------|----------|------|------------|----------|
| Dry Weight | 96.4 | % | 08/10/2001 | 1474 | | mhg | SM 2540 G. | |
| ICP NONAQUEOUS | Complete | | 08/13/2001 | 1206 | Complete | emd | SW 6010B | |
| Arsenic, ICP | 12.7 | mg/kg dw | 08/13/2001 | 894 | 2929 | <6.8 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697505 | SBI002:HMW6D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 |
| Barium, ICP | | 299 | | mg/kg dw | 08/13/2001 | 894 | 2860 | <1.3 | emd | SW 6010B |
| Cadmium, ICP | | <2.1 | | mg/kg dw | 08/13/2001 | 894 | 2842 | <2.1 | emd | SW 6010B |
| Chromium, ICP | | 65.4 | | mg/kg dw | 08/13/2001 | 894 | 2830 | <2.7 | emd | SW 6010B |
| Lead, ICP | | 124 | | mg/kg dw | 08/13/2001 | 894 | 2831 | <5.5 | emd | SW 6010B |
| Mercury, CVAA | | 0.151 | | mg/kg dw | 08/13/2001 | 604 | 616 | <0.008 | epk | SW 7471A |
| Selenium, ICP | | <6.8 | | mg/kg dw | 08/13/2001 | 894 | 2909 | <6.8 | emd | SW 6010B |
| Silver, ICP | | <2.7 | | mg/kg dw | 08/13/2001 | 894 | 2862 | <2.7 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/06/2001 | 894 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/11/2001 | 604 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/07/2001 | 944 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/07/2001 | | 1450 | Complete | jxc | |
| Acetone | | <104 | | ug/kg dw | 08/07/2001 | | 1450 | <104 | jxc | SW 8260A |
| Benzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| tert-Butylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| sec-Butylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| n-Butylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromochloromethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromodichloromethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromoform | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 2-Butanone (MEK) | | <52 | | ug/kg dw | 08/07/2001 | | 1450 | <52 | jxc | SW 8260A |
| Carbon disulfide | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Carbon tetrachloride | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697505 | SBI002:HMW6D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 |
| Chlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Chloroethane | | <10.4 | | ug/kg dw | 08/07/2001 | | 1450 | <10.4 | jxc | SW 8260A |
| 2-Chlorotoluene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 4-Chlorotoluene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Chloroform | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Chloromethane | | <10.4 | | ug/kg dw | 08/07/2001 | | 1450 | <10.4 | jxc | SW 8260A |
| Dibromochloromethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Dibromomethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Dichlorodifluoromethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,3-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| cis-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| trans-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Ethylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 697505 | SBI002:HMW6D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 |
| Hexachlorobutadiene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| n-Hexane | | <20.7 | | ug/kg dw | 08/07/2001 | | 1450 | <20.7 | jxc | SW 8260A |
| 2-Hexanone | | <51.9 | | ug/kg dw | 08/07/2001 | | 1450 | <51.9 | jxc | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| p-Isopropyltoluene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Bromomethane | | <10.4 | | ug/kg dw | 08/07/2001 | | 1450 | <10.4 | jxc | SW 8260A |
| Methylene Chloride | | <10.4 | | ug/kg dw | 08/07/2001 | | 1450 | <10.4 | jxc | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <51.9 | | ug/kg dw | 08/07/2001 | | 1450 | <51.9 | jxc | SW 8260A |
| n-Propylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Styrene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Naphthalene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Tetrachloroethene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Toluene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,1,1-Trichloroethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,1,2-Trichloroethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Trichloroethene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Trichlorofluoromethane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,2,3-Trichloropropane | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| Vinyl Acetate | | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697505 | SBI002:HMW6D:S000020:505 | | | | | | | | | |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/07/2001 | | 1450 | <2.1 | jxc | SW 8260A |
| | Xylenes, Total | <5.2 | | ug/kg dw | 08/07/2001 | | 1450 | <5.2 | jxc | SW 8260A |
| | d4-1,2-Dichloroethane(surr) | 98 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| | Dibromofluoromethane(surr) | 94 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| | d8-Toluene(surr) | 97 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| | Bromofluorobenzene(surr) | 92 | | % | 08/07/2001 | | 1450 | | jxc | SW 8260A |
| | BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | |
| | Acenaphthene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Acenaphthylene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Anthracene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Benzo(a)anthracene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Benzo(a)pyrene | <171 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <171 | jrw | SW 8270C |
| | Benzyl alcohol | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Bis(2-chloroethyl)ether | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 4-Chloroaniline | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Chrysene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 697505 | SBI002:HMW6D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 |
| | Dibenzo(a,h)anthracene | <171 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <171 | jrw | SW 8270C |
| | Dibenzofuran | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <685 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <685 | jrw | SW 8270C |
| | Diethyl phthalate | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Dimethyl phthalate | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Di-n-octylphthalate | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Fluoranthene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Fluorene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Hexachlorobenzene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <685 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <685 | jrw | SW 8270C |
| | Hexachloroethane | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Isophorone | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Naphthalene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Nitrobenzene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | N-Nitrosodi-n-propylamine | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Phenanthrene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | Pyrene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| | 1,2,4-Trichlorobenzene | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.13865

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 697505 | SBI002:HMW6D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/01/2001 |
| Surrogate: d5-Nitrobenzene | | 72 | | ‡ | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 92 | | ‡ | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 103 | | ‡ | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,710 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <1,710 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| 2-Chlorophenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| 2-Methylphenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| meta & para-Methylphenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| 2-Nitrophenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| Pentachlorophenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| Phenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <342 | | ug/kg dw | 08/09/2001 | 944 | 1455 | <342 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 74 | | ‡ | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 72 | | ‡ | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 73 | note | ‡ | 08/09/2001 | 944 | 1455 | | jrw | SW 8270C |
| TPH - GRO (Non-Aqueous) | | <5 | | mg/kg dw | 08/06/2001 | | 245 | <5 | meb | SW 8015M |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.13865

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.13865

Sample Number: 697497, 697498

Analysis: 8260

MB analyzed with samples had hexachlorobutadiene above reporting limit. No hit for this compound was found in these samples.

Sample Number: 697493

Analysis: 8270 BNA

Response for internal standard d12-perylene was below the recommended level. Results for analytes quantitated from it should be considered estimated. These include benzo(k)fluoranthene and benzo(a)pyrene.

Sample Number: 697496

Analysis: 8270 BNA

Response for internal standard d12-perylene was below the recommended level. Results for analytes quantitated from it should be considered estimated. These include benzo(b)fluoranthene and benzo(a)pyrene.

Sample Number: 697499, 697505

Analysis: 8270 BNA

Response for internal standard d12-perylene was below the recommended level.

Sample Number: 697500, 697492

Analysis: 8270 BNA

Response for internal standard d12-perylene was below the recommended level. Results for analytes quantitated from it should be considered estimated. These include benzo(b)fluoranthene, benzo(k)fluoranthene and benzo(a)pyrene.

NOTES AND COMMENTS

TestAmerica Job Number: 1.13865

Sample Number: 697489

Analysis: 8270 BNA

A dilution was performed due to the high viscosity of the sample extract. Recovery of surrogate 2,4,6-tribromophenol was above the recommended level. Surrogates designated "DL" were diluted below the reporting limit. Response for internal standard d12-perylene was below the recommended level.

Sample Number: 697490

Analysis: 8270 BNA

The sample contained large amounts of non-target compounds. The apparent recoveries of surrogates 2-fluorobiphenyl and d14-p-terphenyl were above the recommended levels. This was confirmed by analysis of a dilution. Response for internal standards d12-chrysene and d12-perylene was below the recommended level. Results for compounds quantitated from them should be considered estimated. These include pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene and benzo(a)pyrene.

Sample Number: 697491

Analysis: 8270 BNA

Response for internal standard d12-perylene was below the recommended level. Results for analytes quantitated from it should be considered estimated. These include benzo(k)fluoranthene, benzo(a)pyrene and indeno(1,2,3-c,d)pyrene.

1,13865

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. 5311



Hull & Associates, Inc.

Dublin 6130 Wilcox Road Dublin, OH 43016 Phone: (614)385-8777 FAX: (614)385-8070
 Toledo 3401 Glendale Avenue SUITE 300 Toledo, OH 43614 Phone: (419)385-2018 FAX: (419)385-5489
 Mason 4700 Duke Drive, Suite 172 Mason, Ohio 43040 Phone: (513)459-9677 FAX: (513)459-9869
 Warrensville Heights 4949 Galaxy Parkway, Suite S Warrensville Heights, Ohio 44128 Phone: (216)514-7100 FAX: (216)514-7104

REPORT TO: Terry Baehr

Client: South Bend
 Site: Area A (URTK)
 Project#: SB002 Phase: OLGRB
 Samplers: Mike Coonfore

| PRESERVATIVES | ANALYSES | | |
|---------------|----------|---|---|
| | G | A | B |
| VOC & 270 | | | |
| PCPA-Metals | | | |
| TRH TR | | | |
| TRH GAs | | | |

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | SAMPLING DATE/TIME | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------------------|----------|
| SB1002 | HA-1 | S000005 | 412 | 2-402 | 7-31-01 12:58 | X |
| SB1002 | HA-2 | S000010 | 412 | 2-402 | 7-31-01 10:10 | X |
| SB1002 | HA-3 | S000010 | 412 | 1-402 | 7-31-01 15:30 | X |
| SB1002 | HA-4 | S000010 | 412 | 1-402 | 7-31-01 16:40 | X |
| SB1002 | GS-2 | S005010 | 412 | 3-402 | 8-1-01 1125 | X X X |
| SB1002 | GS-3 | S005010 | 412 | 3-402 | 8-1-01 1115 | X X X |
| SB1002 | FBI | | 505 | | 8-1-01 1700 | X X X |
| SB1002 | TBI | | | 3 | 8-1-01 | X |
| SB1002 | GS-3D | S005010 | 412 | 3-402 | 8-1-01 1115 | X X X |

Extra soil 150' of matrix spike
 Matrix spike
 Extra soil 150' of matrix spike

| RELINQUISHED BY | DATE | TIME | RECEIVED BY | DATE | TIME |
|--------------------|--------|------|--------------------|--------|------|
| <i>[Signature]</i> | 8-1-01 | 1600 | <i>[Signature]</i> | 8-1-01 | 1700 |
| <i>[Signature]</i> | 8-1-01 | | <i>[Signature]</i> | 8-1-01 | |
| <i>[Signature]</i> | 8-00 | | <i>[Signature]</i> | | |

COOLER TEMPERATURE AS RECEIVED °C : 2.5

Deliver To: Sample Receiving
 Method of Delivery: Fed Ex
 Airbill Number: 8266 5968050
 NOTES: Receipt Temp upon Receipt
 TURN AROUND TIME: Stamped DAYS



Hull & Associates, Inc.

Dublin
6130 Wilcox Road
Dublin, Ohio 43016
Phone: (614)385-8777
FAX: (614)385-8070

Toledo
3401 Glendale Avenue
SUITE 306
Toledo, Ohio 43614
Phone: (419)385-2018
FAX: (419)385-5489

Mason
4700 Duke Drive, Suite 172
Mason, Ohio 45040
Phone: (513)459-9877
FAX: (513)459-9869

Warrensville Heights
4949 Galaxy Parkway, Suite S
Warrensville Heights, Ohio 44128
Phone: (216)514-7100
FAX: (216)514-7104

REPORT TO: TERRY VAHR

Client: SOUTH BEER
Site: AREA A
Project#: SB1002 Phase: 2L INS
Samplers: RJM

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. 5312

| ANALYSES | PRESERVATIVES |
|--------------|---------------|
| TPH 628 | TPH 628 |
| METALS - RCR | METALS - RCR |
| USC 82268 | USC 82268 |
| TPH 7E 4181 | TPH 7E 4181 |

SAMPLE TYPES
A - ASBESTOS
B - SEDIMENT
C - GROUNDWATER
D - PRODUCT
E - SOIL
F - WATER
G - OTHERS
All samples are kept at 4°C.

PRESERVATIVES
A - Cool only, <4°C
B - HNO₃ pH<2
C - H₂SO₄ pH<2
D - NaOH pH>12
E - Zinc acetate + NaOH, pH>9
F - H₂O₂ (0.008%)
G - HCl, pH <2

METALS
A - FILTERED
B - BOTH

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | SAMPLING DATE/TIME | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------------------|----------|
| SB1002 | HMW35 | S000020 | 428 | 3 | 8-11-01 0920 | X |
| SB1002 | HMW35 | S000020 | 428 | 3 | 8-11-01 1245 | X |
| SB1002 | HMW35 | S000070 | 428 | 2 | 8-11-01 0725 | X |
| SB1002 | HMW35 | S000085 | 428 | 2 | 8-11-01 0730 | X |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |
| : | : | : | : | : | : | |

RELEASING BY: Math Young DATE: 8-1-01 TIME: 5-10-PM

RELEASING BY: Math Young DATE: 8-1-01 TIME: 8:00

RELEASING BY: Math Young DATE: 8-1-01 TIME: 8:00

COOLER TEMPERATURE AS RECEIVED °C: 2.5

DELIVER TO: FEDEx DATE: 8-1-01 TIME: 5-10-PM

METHOD OF DELIVERY: FEDEx DATE: 8-1-01 TIME: 8:00

AIRBILL NUMBER: 82265968050

NOTES: RECORD EMP UPON RECEIPT

TURN AROUND TIME: std DAYS

SBI002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

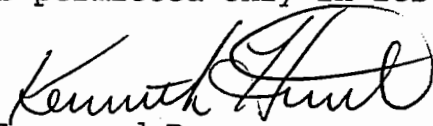
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 698520 | SBI002:HMW7S:S000020:428 | 08/07/2001 | 08/08/2001 |
| 698521 | SBI002:HMW10S:S040050:428 | 08/07/2001 | 08/08/2001 |
| 698522 | SBI002:HMW10S:S100110:428 | 08/07/2001 | 08/08/2001 |
| 698523 | SBI002:SB6:S100110:428 | 08/06/2001 | 08/08/2001 |
| 698524 | SBI002:SB6:S140150:428 | 08/06/2001 | 08/08/2001 |
| 698525 | SBI002:GB26:S020040:428 | 08/07/2001 | 08/08/2001 |
| 698526 | SBI002:GB27:S020040:428 | 08/07/2001 | 08/08/2001 |
| 698527 | SBI002:HMW20S:S000020:428 | 08/06/2001 | 08/08/2001 |
| 698528 | SBI002:GB20:S005020:428 | 08/07/2001 | 08/08/2001 |
| 698529 | SBI002:GB30:S000020:428 | 08/07/2001 | 08/08/2001 |
| 698530 | SBI002:GB37:S000020:428 | 08/07/2001 | 08/08/2001 |
| 698531 | SBI002:GB21:S010030:428 | 08/07/2001 | 08/08/2001 |
| 698532 | SBI002:GB22:S005020:428 | 08/07/2001 | 08/08/2001 |
| 698533 | SBI002:GB24:S005020:428 | 08/07/2001 | 08/08/2001 |
| 698534 | SBI002:GB23:S005020:428 | 08/07/2001 | 08/08/2001 |
| 698535 | SBI002:GB-15:S000010:412 | 08/07/2001 | 08/08/2001 |
| 698536 | SBI002:GB-16:S000005:412 | 08/07/2001 | 08/08/2001 |
| 698537 | SBI002:GB-17:S000015:412 | 08/07/2001 | 08/08/2001 |
| 698538 | SBI002:GB-28:S000020:412 | 08/07/2001 | 08/08/2001 |
| 698539 | SBI002:GB-29:S005015:412 | 08/07/2001 | 08/08/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

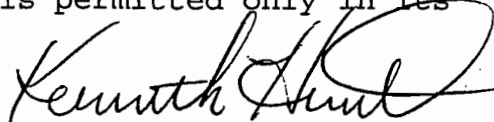
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 698540 | SBI002:GB-31:S000010:412 | 08/07/2001 | 08/08/2001 |
| 698541 | SBI002:GB-33:S000010:412 | 08/07/2001 | 08/08/2001 |
| 698542 | SBI002:GB-34:S000015:412 | 08/07/2001 | 08/08/2001 |
| 698543 | SBI002:GB-35:S000015:412 | 08/07/2001 | 08/08/2001 |
| 698544 | SBI002:GB-35D:S000015:412 | 08/07/2001 | 08/08/2001 |
| 698545 | SBI002:HMW22D:S000020:505 | 08/06/2001 | 08/08/2001 |
| 698547 | SBI002:FB1:W080701:505 | 08/07/2001 | 08/08/2001 |
| 698574 | SBI002:TB1:W080701:505 | 08/08/2001 | 08/08/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

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Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698520 | SBI002:HMW7S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 13:20 |
| Dry Weight | 77.8 | % | | | 08/15/2001 | | 1477 | | emd | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | <8.6 | mg/kg dw | | | 08/16/2001 | 900 | 2956 | <8.6 | emd | SW 6010B |
| Barium, ICP | 496 | mg/kg dw | | | 08/16/2001 | 900 | 2887 | <1.7 | emd | SW 6010B |
| Cadmium, ICP | <2.6 | mg/kg dw | | | 08/16/2001 | 900 | 2869 | <2.6 | emd | SW 6010B |
| Chromium, ICP | 9.6 | mg/kg dw | | | 08/16/2001 | 900 | 2857 | <3.5 | emd | SW 6010B |
| Lead, ICP | 388 | mg/kg dw | | | 08/16/2001 | 900 | 2858 | <6.8 | emd | SW 6010B |
| Mercury, CVAA | 0.158 | mg/kg dw | | | 08/15/2001 | 606 | 620 | <0.01 | epk | SW 7471A |
| Selenium, ICP | <8.6 | mg/kg dw | | | 08/16/2001 | 900 | 2936 | <8.6 | emd | SW 6010B |
| Silver, ICP | <3.5 | mg/kg dw | | | 08/16/2001 | 900 | 2889 | <3.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | <129 | ug/kg dw | | | 08/09/2001 | | 1455 | <129 | bmh | SW 8260A |
| Benzene | <6.4 | ug/kg dw | | | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| tert-Butylbenzene | <6.4 | ug/kg dw | | | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| sec-Butylbenzene | <6.4 | ug/kg dw | | | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| n-Butylbenzene | <6.4 | ug/kg dw | | | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Bromochloromethane | <6.4 | ug/kg dw | | | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Bromodichloromethane | <6.4 | ug/kg dw | | | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Bromoform | <6.4 | ug/kg dw | | | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Bromobenzene | <6.4 | ug/kg dw | | | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 2-Butanone (MEK) | <64 | ug/kg dw | | | 08/09/2001 | | 1455 | <64 | bmh | SW 8260A |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 698520 | SBI002:HMW7S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 13:20 |
| Carbon disulfide | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Carbon tetrachloride | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Chlorobenzene | | <6.4 | ss | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Chloroethane | | <12.9 | | ug/kg dw | 08/09/2001 | | 1455 | <12.9 | bmh | SW 8260A |
| 2-Chlorotoluene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 4-Chlorotoluene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Chloroform | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Chloromethane | | <12.9 | | ug/kg dw | 08/09/2001 | | 1455 | <12.9 | bmh | SW 8260A |
| Dibromochloromethane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Dibromomethane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698520 | SBI002:HMW7S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 13:20 |
| | trans-1,3-Dichloropropene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Ethylbenzene | <6.4 | SS | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Hexachlorobutadiene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | n-Hexane | <25.7 | | ug/kg dw | 08/09/2001 | | 1455 | <25.7 | bmh | SW 8260A |
| | 2-Hexanone | <64.3 | | ug/kg dw | 08/09/2001 | | 1455 | <64.3 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | p-Isopropyltoluene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Bromomethane | <12.9 | | ug/kg dw | 08/09/2001 | | 1455 | <12.9 | bmh | SW 8260A |
| | Methylene Chloride | <12.9 | | ug/kg dw | 08/09/2001 | | 1455 | <12.9 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <64.3 | | ug/kg dw | 08/09/2001 | | 1455 | <64.3 | bmh | SW 8260A |
| | n-Propylbenzene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Styrene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Naphthalene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Tetrachloroethene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Toluene | <6.4 | SS | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Trichloroethene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | Trichlorofluoromethane | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698520 | SBI002:HMW7S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 13:20 |
| 1,3,5-Trimethylbenzene | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Vinyl Acetate | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| Vinyl Chloride | | <2.6 | | ug/kg dw | 08/09/2001 | | 1455 | <2.6 | bmh | SW 8260A |
| Xylenes, Total | | <6.4 | | ug/kg dw | 08/09/2001 | | 1455 | <6.4 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 99 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 92 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 93 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 94 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| 698521 | SBI002:HMW10S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:40 |
| Dry Weight | | 87.0 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| Prep, BNA Non-Aq | | Complete | | | 08/09/2001 | 945 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH DRO Nonaq | | Complete | | | 08/10/2001 | 195 | | Complete | lmc | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | | <115 | | ug/kg dw | 08/09/2001 | | 1455 | <115 | bmh | SW 8260A |
| Benzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698521 | SBI002:HMW10S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:40 |
| n-Butylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Bromochloromethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Bromodichloromethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Bromoform | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Bromobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <57 | | ug/kg dw | 08/09/2001 | | 1455 | <57 | bmh | SW 8260A |
| Carbon disulfide | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Chlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Chloroethane | | <11.5 | | ug/kg dw | 08/09/2001 | | 1455 | <11.5 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Chloroform | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Chloromethane | | <11.5 | | ug/kg dw | 08/09/2001 | | 1455 | <11.5 | bmh | SW 8260A |
| Dibromochloromethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Dibromomethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |

ANALYTICAL REPORT

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 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698521 | SBI002:HMW10S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:40 |
| 1,1,1-Trichloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Trichloroethene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Vinyl Acetate | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/09/2001 | | 1455 | <2.3 | bmh | SW 8260A |
| Xylenes, Total | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 102 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 97 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 95 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 95 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrjw | SW 8270C |
| Acenaphthylene | | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrjw | SW 8270C |
| Anthracene | | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrjw | SW 8270C |
| Benzo (a) anthracene | | 524 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrjw | SW 8270C |
| Benzo (b) fluoranthene | | 602 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrjw | SW 8270C |
| Benzo (k) fluoranthene | | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrjw | SW 8270C |
| Benzo (a) pyrene | | 246 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <190 | jrjw | SW 8270C |
| Benzyl alcohol | | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698521 | SBI002:HMW10S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:40 |
| | Bis(2-chloroethyl)ether | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 4-Chloroaniline | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Chrysene | 720 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <190 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <190 | jrw | SW 8270C |
| | Dibenzofuran | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <759 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <759 | jrw | SW 8270C |
| | Diethyl phthalate | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Dimethyl phthalate | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Di-n-octylphthalate | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Fluoranthene | 615 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Fluorene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Hexachlorobenzene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <759 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <759 | jrw | SW 8270C |
| | Hexachloroethane | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698521 | SBI002:HMW10S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:40 |
| | Indeno(1,2,3-cd)pyrene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Isophorone | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Naphthalene | 489 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Nitrobenzene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | N-Nitrosodi-n-propylamine | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Phenanthrene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Pyrene | 600 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 1,2,4-Trichlorobenzene | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 87 | | ‡ | 08/10/2001 | 945 | 1454 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 93 | | ‡ | 08/10/2001 | 945 | 1454 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 82 | | ‡ | 08/10/2001 | 945 | 1454 | | jrw | SW 8270C |
| | ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | |
| | Benzoic Acid | <1,900 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <1,900 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2-Chlorophenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2-Methylphenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | meta & para-Methylphenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2-Nitrophenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Pentachlorophenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | Phenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|------------|-------|-------|-----------|---------|----------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698521 | SBI002:HMW10S:S040050:428 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 08/07/2001 10:40 |
| 2,4,6-Trichlorophenol | | <379 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <379 | jrj | SW 8270C |
| Surrogate: d6-Phenol | | 81 | | % | 08/10/2001 | 945 | 1454 | | jrj | SW 8270C |
| Surrogate: 2-Fluorophenol | | 79 | | % | 08/10/2001 | 945 | 1454 | | jrj | SW 8270C |
| Surrogate: Tribromophenol | | 76 | | % | 08/10/2001 | 945 | 1454 | | jrj | SW 8270C |
| TPH - DRO Non-Aqueous | | 931 | | mg/kg dw | 08/13/2001 | 195 | 280 | <11 | meh | SW 8015M |
| 698522 | SBI002:HMW10S:S100110:428 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 08/07/2001 10:50 |
| Dry Weight | | 84.6 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| Prep, BNA Non-Aq | | Complete | | | 08/09/2001 | 945 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH DRO Nonaq | | Complete | | | 08/10/2001 | 195 | | Complete | lmc | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | | <118 | | ug/kg dw | 08/09/2001 | | 1455 | <118 | bmh | SW 8260A |
| Benzene | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| n-Butylbenzene | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| Bromochloromethane | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| Bromodichloromethane | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698522 | SBI002:HMW10S:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:50 |
| Bromoform | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Bromobenzene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Carbon disulfide | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Chlorobenzene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Chloroethane | | <11.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.8 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Chloroform | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Chloromethane | | <11.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.8 | bmh | SW 8260A |
| Dibromochloromethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Dibromomethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698522 | SBI002:HMW10S:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:50 |
| 2,2-Dichloropropane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Ethylbenzene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| n-Hexane | | <23.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <23.6 | bmh | SW 8260A |
| 2-Hexanone | | <59.1 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <59.1 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Bromomethane | | <11.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.8 | bmh | SW 8260A |
| Methylene Chloride | | <11.8 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.8 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <59.1 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <59.1 | bmh | SW 8260A |
| n-Propylbenzene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Styrene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Naphthalene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Tetrachloroethene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Toluene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |
| Trichloroethene | | <5.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.9 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698522 | SBI002:HMW10S:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:50 |
| Trichlorofluoromethane | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| Vinyl Acetate | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| Vinyl Chloride | | <2.4 | | ug/kg dw | 08/09/2001 | | 1455 | <2.4 | bmh | SW 8260A |
| Xylenes, Total | | <5.9 | | ug/kg dw | 08/09/2001 | | 1455 | <5.9 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 101 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 100 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 94 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 94 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Acenaphthylene | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Anthracene | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Benzo(a)anthracene | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Benzo(a)pyrene | | <195 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <195 | jrw | SW 8270C |
| Benzyl alcohol | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <390 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|------------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698522 | SBI002:HMW10S:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:50 |
| 2,2'-oxybis(1-Chloropropane) | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 4-Bromophenyl phenyl ether | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 4-Chloroaniline | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 2-Chloronaphthalene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Chrysene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Dibenzo (a, h) anthracene | <195 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <195 | jrw | SW 8270C | |
| Dibenzofuran | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 1,2-Dichlorobenzene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 1,3-Dichlorobenzene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 1,4-Dichlorobenzene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 3,3'-Dichlorobenzidine | <780 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <780 | jrw | SW 8270C | |
| Diethyl phthalate | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Dimethyl phthalate | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 2,4-Dinitrotoluene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| 2,6-Dinitrotoluene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Di-n-octylphthalate | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Fluoranthene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Fluorene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Hexachlorobenzene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Hexachloro-1,3-butadiene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Hexachlorocyclopentadiene | <780 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <780 | jrw | SW 8270C | |
| Hexachloroethane | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Isophorone | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |
| Naphthalene | <390 | ug/kg | dw | 08/10/2001 | 945 | 1454 | <390 | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|---------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698522 | SBI002:HMW10S:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:50 |
| Surrogate: Tribromophenol | | 82 | | % | 08/10/2001 | 945 | 1454 | | jrw | SW 8270C |
| TPH - DRO Non-Aqueous | | 42.4 | | mg/kg dw | 08/13/2001 | 195 | 280 | <12 | meb | SW 8015M |
| 698523 | SBI002:SB6:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:40 |
| Dry Weight | | 93.9 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 3.5 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <3.5 | emd | SW 6010B |
| Barium, ICP | | 24.0 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.69 | emd | SW 6010B |
| Cadmium, ICP | | <1.0 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.0 | emd | SW 6010B |
| Chromium, ICP | | 5.2 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | | 32.3 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <2.8 | emd | SW 6010B |
| Mercury, CVAA | | 0.096 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.5 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <3.5 | emd | SW 6010B |
| Silver, ICP | | <1.4 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/09/2001 | 945 | | Complete | m1r | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH DRO Nonaq | | Complete | | | 08/10/2001 | 195 | | Complete | lmc | |

VOLATILE COMPOUNDS-8260 Non-Aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|-----------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698523 | SBI002:SB6:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:40 |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/09/2001 | 1455 | Complete | bmh | | |
| Acetone | <106 | ug/kg | dw | | 08/09/2001 | 1455 | <106 | bmh | SW 8260A | |
| Benzene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| tert-Butylbenzene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| sec-Butylbenzene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| n-Butylbenzene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Bromochloromethane | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Bromodichloromethane | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Bromoform | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Bromobenzene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 2-Butanone (MEK) | <53 | ug/kg | dw | | 08/09/2001 | 1455 | <53 | bmh | SW 8260A | |
| Carbon disulfide | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Carbon tetrachloride | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Chlorobenzene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Chloroethane | <10.6 | ug/kg | dw | | 08/09/2001 | 1455 | <10.6 | bmh | SW 8260A | |
| 2-Chlorotoluene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 4-Chlorotoluene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Chloroform | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Chloromethane | <10.6 | ug/kg | dw | | 08/09/2001 | 1455 | <10.6 | bmh | SW 8260A | |
| Dibromochloromethane | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Dibromomethane | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| Dichlorodifluoromethane | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,2-Dibromo-3-chloropropane | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,2-Dichlorobenzene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |
| 1,3-Dichlorobenzene | <5.3 | ug/kg | dw | | 08/09/2001 | 1455 | <5.3 | bmh | SW 8260A | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|----------|---------------|--------------|--------------|-----------|---------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698523 | SBI002:SB6:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:40 |
| 1,4-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Ethylbenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| n-Hexane | | <21.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <21.3 | bmh | SW 8260A |
| 2-Hexanone | | <53.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <53.2 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Bromomethane | | <10.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.6 | bmh | SW 8260A |
| Methylene Chloride | | <10.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.6 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <53.2 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <53.2 | bmh | SW 8260A |
| n-Propylbenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Styrene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Naphthalene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698523 | SBI002:SB6:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:40 |
| 1,1,1,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Tetrachloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Toluene | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Trichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Vinyl Acetate | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/09/2001 | | 1455 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | 103 | | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | 99 | | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | 91 | | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | 94 | | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Acenaphthylene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Anthracene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Benzo(a)anthracene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698523 | SBI002:SB6:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:40 |
| Benzo(b)fluoranthene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Benzo(a)pyrene | | <176 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <176 | jcs | SW 8270C |
| Benzyl alcohol | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Bis(2-chloroethyl) ether | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Bis(2-chloroethoxy)methane | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 4-Chloroaniline | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Chrysene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | | <176 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <176 | jcs | SW 8270C |
| Dibenzofuran | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <703 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <703 | jcs | SW 8270C |
| Diethyl phthalate | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Dimethyl phthalate | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2,4-Dinitrotoluene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Di-n-octylphthalate | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Fluoranthene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698523 | SBI002:SB6:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:40 |
| Fluorene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Hexachlorobenzene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <703 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <703 | jcs | SW 8270C |
| Hexachloroethane | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Isophorone | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Naphthalene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Nitrobenzene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Phenanthrene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Pyrene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 87 | | % | 08/10/2001 | 945 | 1454 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 82 | | % | 08/10/2001 | 945 | 1454 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 86 | | % | 08/10/2001 | 945 | 1454 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,760 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <1,760 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2-Chlorophenol | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2,4-Dichlorophenol | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2,4-Dimethylphenol | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| 2-Methylphenol | | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 698523 | SBI002:SB6:S100110:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:40 |
| | meta & para-Methylphenol | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| | 2-Nitrophenol | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| | Pentachlorophenol | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| | Phenol | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <351 | | ug/kg dw | 08/10/2001 | 945 | 1454 | <351 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 80 | | % | 08/10/2001 | 945 | 1454 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 75 | | % | 08/10/2001 | 945 | 1454 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 77 | | % | 08/10/2001 | 945 | 1454 | | jcs | SW 8270C |
| | TPH - DRO Non-Aqueous | 25.8 | | mg/kg dw | 08/13/2001 | 195 | 280 | <11 | meb | SW 8015M |
| | TPH - GRO (Non-Aqueous) | <5 | | mg/kg dw | 08/13/2001 | | 246 | <5 | meb | SW 8015M |

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------|----------|------|----------|------------|------|------|-----------|---------|-------------------------------------|
| 698524 | SBI002:SB6:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:50 |
| | Dry Weight | 90.8 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| | ICP NONAQUEOUS | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| | Arsenic, ICP | <3.6 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <3.6 | emd | SW 6010B |
| | Barium, ICP | 15 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.73 | emd | SW 6010B |
| | Cadmium, ICP | <1.1 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.1 | emd | SW 6010B |
| | Chromium, ICP | 4.7 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.4 | emd | SW 6010B |
| | Lead, ICP | 14 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <3.0 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698524 | SBI002:SB6:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:50 |
| Mercury, CVAA | 0.043 | mg/kg dw | | | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <3.6 | mg/kg dw | | | 08/16/2001 | 900 | 2936 | <3.6 | emd | SW 6010B |
| Silver, ICP | <1.4 | mg/kg dw | | | 08/16/2001 | 900 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH DRO Nonaq | Complete | | | | 08/10/2001 | 195 | | Complete | lmc | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | <110 | ug/kg dw | | | 08/09/2001 | | 1455 | <110 | bmh | SW 8260A |
| Benzene | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| tert-Butylbenzene | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| sec-Butylbenzene | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| n-Butylbenzene | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromochloromethane | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromodichloromethane | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromoform | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromobenzene | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 2-Butanone (MEK) | <55 | ug/kg dw | | | 08/09/2001 | | 1455 | <55 | bmh | SW 8260A |
| Carbon disulfide | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Carbon tetrachloride | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Chlorobenzene | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Chloroethane | <11.0 | ug/kg dw | | | 08/09/2001 | | 1455 | <11.0 | bmh | SW 8260A |
| 2-Chlorotoluene | <5.5 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 698524 | SBI002:SB6:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:50 |
| 4-Chlorotoluene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Chloroform | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Chloromethane | | <11.0 | | ug/kg dw | 08/09/2001 | | 1455 | <11.0 | bmh | SW 8260A |
| Dibromochloromethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Dibromomethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Ethylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| n-Hexane | | <22.0 | | ug/kg dw | 08/09/2001 | | 1455 | <22.0 | bmh | SW 8260A |
| 2-Hexanone | | <55.1 | | ug/kg dw | 08/09/2001 | | 1455 | <55.1 | bmh | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698524 | SBI002:SB6:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:50 |
| Isopropylbenzene (Cumene) | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Bromomethane | | <11.0 | | ug/kg dw | 08/09/2001 | | 1455 | <11.0 | bmh | SW 8260A |
| Methylene Chloride | | <11.0 | | ug/kg dw | 08/09/2001 | | 1455 | <11.0 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <55.1 | | ug/kg dw | 08/09/2001 | | 1455 | <55.1 | bmh | SW 8260A |
| n-Propylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Styrene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Naphthalene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Tetrachloroethene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Toluene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Trichloroethene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Vinyl Acetate | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/09/2001 | | 1455 | <2.2 | bmh | SW 8260A |
| Xylenes, Total | | <5.5 | | ug/kg dw | 08/09/2001 | | 1455 | <5.5 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 101 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|------------------------|----------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698524 | SBI002:SB6:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:50 |
| Dibromofluoromethane (surr) | 97 | % | | 08/09/2001 | 1455 | | | dmh | SW 8260A | |
| d8-Toluene (surr) | 91 | % | | 08/09/2001 | 1455 | | | dmh | SW 8260A | |
| Bromofluorobenzene (surr) | 96 | % | | 08/09/2001 | 1455 | | | dmh | SW 8260A | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Acenaphthylene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Anthracene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Benzo(a)anthracene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Benzo(b)fluoranthene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Benzo(k)fluoranthene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Benzo(a)pyrene | <182 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <182 | dmg | SW 8270C | |
| Benzyl alcohol | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Benzyl butyl phthalate | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Bis(2-chloroethyl)ether | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Bis(2-chloroethoxy)methane | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Bis(2-ethylhexyl)phthalate | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| 2,2'-oxybis(1-Chloropropane) | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| 4-Bromophenyl phenyl ether | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| 4-Chloroaniline | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| 2-Chloronaphthalene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Chrysene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| Dibenzo(a,h)anthracene | <182 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <182 | dmg | SW 8270C | |
| Dibenzofuran | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |
| 1,2-Dichlorobenzene | <363 | ug/kg dw | | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C | |

ANALYTICAL REPORT

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08/27/2001

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Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698524 | SBI002:SB6:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:50 |
| 1,3-Dichlorobenzene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <727 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <727 | dmg | SW 8270C |
| Diethyl phthalate | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Dimethyl phthalate | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Di-n-octylphthalate | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Fluoranthene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Fluorene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Hexachlorobenzene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <727 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <727 | dmg | SW 8270C |
| Hexachloroethane | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Isophorone | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Naphthalene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Nitrobenzene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Phenanthrene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Pyrene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 87 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 93 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 96 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698524 | SBI002:SB6:S140150:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 12:50 |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,820 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <1,820 | dmg | SW 8270C |
| | 4-Chloro-3-methylphenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | 2-Chlorophenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | 2,4-Dichlorophenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | 2,4-Dimethylphenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | 2-Methylphenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | meta & para-Methylphenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | 2-Nitrophenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | Pentachlorophenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | Phenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | 2,4,5-Trichlorophenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | 2,4,6-Trichlorophenol | <363 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <363 | dmg | SW 8270C |
| | Surrogate: d6-Phenol | 83 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorophenol | 76 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| | Surrogate: Tribromophenol | 89 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| | TPH - DRO Non-Aqueous | 15.7 | | mg/kg dw | 08/14/2001 | 195 | 281 | <11 | meb | SW 8015M |
| | TPH - GRO (Non-Aqueous) | <6 | | mg/kg dw | 08/13/2001 | | 246 | <6 | meb | SW 8015M |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|-------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698525 | SBI002:GB26:S020040:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:17 |
| Dry Weight | 94.6 | % | | | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | <3.5 | mg/kg dw | | | 08/16/2001 | 900 | 2956 | <3.5 | emd | SW 6010B |
| Barium, ICP | 15.6 | mg/kg dw | | | 08/16/2001 | 900 | 2887 | <0.70 | emd | SW 6010B |
| Cadmium, ICP | <1.0 | mg/kg dw | | | 08/16/2001 | 900 | 2869 | <1.0 | emd | SW 6010B |
| Chromium, ICP | 3.9 | mg/kg dw | | | 08/16/2001 | 900 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | 7.6 | mg/kg dw | | | 08/16/2001 | 900 | 2858 | <2.7 | emd | SW 6010B |
| Mercury, CVAA | 0.011 | mg/kg dw | | | 08/15/2001 | 606 | 620 | <0.008 | epk | SW 7471A |
| Selenium, ICP | <3.5 | mg/kg dw | | | 08/16/2001 | 900 | 2936 | <3.5 | emd | SW 6010B |
| Silver, ICP | <1.4 | mg/kg dw | | | 08/16/2001 | 900 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, TPH 418.1 Nonaq | Complete | | | | 08/14/2001 | 592 | | Complete | 110 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/09/2001 | | 1455 | Complete | bmh | |
| Acetone | <106 | ug/kg dw | | | 08/09/2001 | | 1455 | <106 | bmh | SW 8260A |
| Benzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| tert-Butylbenzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| sec-Butylbenzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| n-Butylbenzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Bromochloromethane | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Bromodichloromethane | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Bromoform | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Bromobenzene | <5.3 | ug/kg dw | | | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698525 | SBI002:GB26:S020040:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:17 |
| 2-Butanone (MEK) | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Carbon disulfide | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Chlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Chloroethane | | <10.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.6 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Chloroform | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Chloromethane | | <10.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.6 | bmh | SW 8260A |
| Dibromochloromethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Dibromomethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698525 | SBI002:GB26:S020040:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:17 |
| | cis-1,3-Dichloropropene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Ethylbenzene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | n-Hexane | <21.1 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <21.1 | bmh | SW 8260A |
| | 2-Hexanone | <52.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <52.9 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Bromomethane | <10.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.6 | bmh | SW 8260A |
| | Methylene Chloride | <10.6 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <10.6 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <52.9 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <52.9 | bmh | SW 8260A |
| | n-Propylbenzene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Styrene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Naphthalene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Tetrachloroethene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Toluene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Trichloroethene | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698525 | SBI002:GB26:S020040:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:17 |
| 1,2,4-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Vinyl Acetate | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/09/2001 | | 1455 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.3 | | ug/kg dw | 08/09/2001 | | 1455 | <5.3 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 102 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 97 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 93 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 94 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| TPH - FTIR Non-aq | | <53 | | mg/kg dw | 08/15/2001 | 592 | 624 | <53 | 110 | 418.1 |

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference |
|----------------|-------------------------|----------|------|----------|---------------|-------------------|------------------|-----------------|------------------|-------------------------------------|
| 698526 | SBI002:GB27:S020040:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:10 |
| Dry Weight | | 92.9 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <10 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <10 | emd | SW 6010B |
| Barium, ICP | | 36 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <2.0 | emd | SW 6010B |
| Cadmium, ICP | | <3.0 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <3.0 | emd | SW 6010B |
| Chromium, ICP | | 5.5 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <4.1 | emd | SW 6010B |
| Lead, ICP | | 33.6 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <8.2 | emd | SW 6010B |
| Mercury, CVAA | | 0.227 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698526 | SBI002:GB27:S020040:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:10 |
| Chloromethane | | <10.8 | | ug/kg dw | 08/09/2001 | | 1455 | <10.8 | bmh | SW 8260A |
| Dibromochloromethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Dibromomethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Ethylbenzene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| n-Hexane | | <21.5 | | ug/kg dw | 08/09/2001 | | 1455 | <21.5 | bmh | SW 8260A |
| 2-Hexanone | | <53.8 | | ug/kg dw | 08/09/2001 | | 1455 | <53.8 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698526 | SBI002:GB27:S020040:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:10 |
| Bromomethane | | <10.8 | | ug/kg dw | 08/09/2001 | | 1455 | <10.8 | bmh | SW 8260A |
| Methylene Chloride | | <10.8 | | ug/kg dw | 08/09/2001 | | 1455 | <10.8 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <53.8 | | ug/kg dw | 08/09/2001 | | 1455 | <53.8 | bmh | SW 8260A |
| n-Propylbenzene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Styrene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Naphthalene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Tetrachloroethene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Toluene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Trichloroethene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Vinyl Acetate | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/09/2001 | | 1455 | <2.2 | bmh | SW 8260A |
| Xylenes, Total | | <5.4 | | ug/kg dw | 08/09/2001 | | 1455 | <5.4 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 104 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 98 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 94 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|--------------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|----------------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 698526 | SBI002:GB27:S020040:428 | | | | | | | | | | 08/07/2001 08:10 |
| Bromofluorobenzene (surr) | | 94 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A | |
| TPH - FTIR Non-aq | | <54 | | mg/kg dw | 08/15/2001 | 592 | 624 | <54 | 110 | 418.1 | |
| 698527 | SBI002:HMW20S:S000020:428 | | | | | | | | | | 08/06/2001 15:35 |
| Dry Weight | | 88.2 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. | |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/09/2001 | | 1455 | Complete | bmh | | |
| Acetone | | <113 | | ug/kg dw | 08/09/2001 | | 1455 | <113 | bmh | SW 8260A | |
| Benzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |
| tert-Butylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |
| sec-Butylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |
| n-Butylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |
| Bromochloromethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |
| Bromodichloromethane | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |
| Bromoform | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |
| Bromobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |
| 2-Butanone (MEK) | | <57 | | ug/kg dw | 08/09/2001 | | 1455 | <57 | bmh | SW 8260A | |
| Carbon disulfide | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698527 | SBI002:HMW20S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 15:35 |
| Carbon tetrachloride | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| Chlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| Chloroethane | | <11.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.3 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| Chloroform | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| Chloromethane | | <11.3 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <11.3 | bmh | SW 8260A |
| Dibromochloromethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| Dibromomethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | 1455 | <5.7 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698527 | SBI002:HMW20S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 15:35 |
| Ethylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| n-Hexane | | <22.7 | | ug/kg dw | 08/09/2001 | 1455 | | <22.7 | bmh | SW 8260A |
| 2-Hexanone | | <56.7 | | ug/kg dw | 08/09/2001 | 1455 | | <56.7 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| Bromomethane | | <11.3 | | ug/kg dw | 08/09/2001 | 1455 | | <11.3 | bmh | SW 8260A |
| Methylene Chloride | | <11.3 | | ug/kg dw | 08/09/2001 | 1455 | | <11.3 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <56.7 | | ug/kg dw | 08/09/2001 | 1455 | | <56.7 | bmh | SW 8260A |
| n-Propylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| Styrene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| Naphthalene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| Tetrachloroethene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| Toluene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| Trichloroethene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.7 | | ug/kg dw | 08/09/2001 | 1455 | | <5.7 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698527 | SBI002:HMW20S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 15:35 |
| Vinyl Acetate | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/09/2001 | | 1455 | <2.3 | bmh | SW 8260A |
| Xylenes, Total | | <5.7 | | ug/kg dw | 08/09/2001 | | 1455 | <5.7 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 102 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 97 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 92 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 95 | | % | 08/09/2001 | | 1455 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Acenaphthylene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Anthracene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzo (a) anthracene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzo (b) fluoranthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzo (k) fluoranthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzo (a) pyrene | | <187 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <187 | dmg | SW 8270C |
| Benzyl alcohol | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Bis (2-chloroethyl) ether | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Bis (2-chloroethoxy) methane | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Bis (2-ethylhexyl) phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,2'-oxybis (1-Chloropropane) | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 4-Chloroaniline | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698527 | SBI002:HMW20S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 15:35 |
| Chrysene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Dibenzo (a, h) anthracene | | <187 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <187 | dmg | SW 8270C |
| Dibenzofuran | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <748 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <748 | dmg | SW 8270C |
| Diethyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Dimethyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Di-n-octylphthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Fluoranthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Fluorene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Hexachlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <748 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <748 | dmg | SW 8270C |
| Hexachloroethane | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Indeno (1,2,3-cd) pyrene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Isophorone | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Naphthalene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Nitrobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Phenanthrene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Pyrene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698527 | SBI002:HMW20S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 15:35 |
| 1,2,4-Trichlorobenzene | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | 76 | % | | | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | 74 | % | | | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | 86 | % | | | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | <1,870 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <1,870 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2-Chlorophenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,4-Dichlorophenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,4-Dimethylphenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2-Methylphenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| meta & para-Methylphenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2-Nitrophenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Pentachlorophenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Phenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | <374 | ug/kg dw | | | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Surrogate: d6-Phenol | 81 | % | | | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | 69 | % | | | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | 70 | % | | | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| TPH - GRO (Non-Aqueous) | <6 | mg/kg dw | | | 08/13/2001 | | 246 | <6 | meb | SW 8015M |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|-------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698528 | SBI002:GB20:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:22 |
| Dry Weight | | 93.9 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <3.5 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <3.5 | emd | SW 6010B |
| Barium, ICP | | 54.6 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.69 | emd | SW 6010B |
| Cadmium, ICP | | <1.0 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.0 | emd | SW 6010B |
| Chromium, ICP | | 5.5 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | | 174 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <2.8 | emd | SW 6010B |
| Mercury, CVAA | | 0.071 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.5 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <3.5 | emd | SW 6010B |
| Silver, ICP | | <1.4 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Acenaphthylene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Anthracene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Benzo(a)anthracene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Benzo(a)pyrene | | <176 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <176 | dmg | SW 8270C |
| Benzyl alcohol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Bis(2-chloroethyl)ether | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698528 | SBI002:GB20:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:22 |
| Isophorone | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Naphthalene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Nitrobenzene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Phenanthrene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Pyrene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 104 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 110 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 99 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,760 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <1,760 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 2-Chlorophenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 2-Methylphenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| meta & para-Methylphenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 2-Nitrophenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Pentachlorophenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| Phenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <351 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <351 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|---------------------------|-------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|----------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698528 | SBI002:GB20:S005020:428 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 08/07/2001 08:22 |
| Surrogate: d6-Phenol | | 92 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 81 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 88 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| 698529 | SBI002:GB30:S000020:428 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 08/07/2001 07:33 |
| Dry Weight | | 89.7 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <3.6 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <3.6 | emd | SW 6010B |
| Barium, ICP | | 80.9 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.72 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 9.3 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | | 22.9 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | | 0.022 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.6 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <3.6 | emd | SW 6010B |
| Silver, ICP | | <1.4 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698529 | SBI002:GB30:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 07:33 |
| Acenaphthene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Acenaphthylene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Anthracene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Benzo(a)anthracene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Benzo(a)pyrene | | <184 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <184 | dmg | SW 8270C |
| Benzyl alcohol | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Bis(2-chloroethyl) ether | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Bis(2-chloroethoxy) methane | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Bis(2-ethylhexyl) phthalate | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| 4-Chloroaniline | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Chrysene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Dibenzo(a,h)anthracene | | <184 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <184 | dmg | SW 8270C |
| Dibenzofuran | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <736 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <736 | dmg | SW 8270C |
| Diethyl phthalate | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| Dimethyl phthalate | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Limit | Initials | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Number | | | |
| 698529 | SBI002:GB30:S000020:428 | | | | | | | | | | | DATE/TIME TAKEN 08/07/2001 07:33 |
| 2,4-Dinitrotoluene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| 2,6-Dinitrotoluene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Di-n-octylphthalate | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Fluoranthene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Fluorene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Hexachlorobenzene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Hexachloro-1,3-butadiene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Hexachlorocyclopentadiene | | <736 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <736 | | dmg | | SW 8270C |
| Hexachloroethane | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Isophorone | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Naphthalene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Nitrobenzene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| N-Nitrosodi-n-propylamine | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Phenanthrene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Pyrene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| 1,2,4-Trichlorobenzene | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 85 | | % | 08/19/2001 | 946 | 1463 | | | dmg | | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 88 | | % | 08/19/2001 | 946 | 1463 | | | dmg | | SW 8270C |
| Surrogate: d14-Terphenyl | | 87 | | % | 08/19/2001 | 946 | 1463 | | | dmg | | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | | | |
| Benzoic Acid | | <1,840 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <1,840 | | dmg | | SW 8270C |
| 4-Chloro-3-methylphenol | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |
| 2-Chlorophenol | | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | | dmg | | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|----------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698529 | SBI002:GB30:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 07:33 |
| | 2,4-Dichlorophenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | 2,4-Dimethylphenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | 2-Methylphenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | meta & para-Methylphenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | 2-Nitrophenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | Pentachlorophenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | Phenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | 2,4,5-Trichlorophenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | 2,4,6-Trichlorophenol | <368 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <368 | dmg | SW 8270C |
| | Surrogate: d6-Phenol | 82 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorophenol | 68 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| | Surrogate: Tribromophenol | 73 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| 698530 | SBI002:GB37:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:00 |
| | Dry Weight | 87.2 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| | ICP NONAQUEOUS | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| | Arsenic, ICP | <3.6 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <3.6 | emd | SW 6010B |
| | Barium, ICP | 51.8 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.72 | emd | SW 6010B |
| | Cadmium, ICP | <1.1 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.1 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-------------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|----------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698530 | SBI002:GB37:S000020:428 | | | | | | | | | |
| | Chromium, ICP | 10 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.5 | emd | SW 6010B |
| | Lead, ICP | 14.3 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <2.9 | emd | SW 6010B |
| | Mercury, CVAA | 0.022 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.008 | epk | SW 7471A |
| | Selenium, ICP | <3.6 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <3.6 | emd | SW 6010B |
| | Silver, ICP | <1.5 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.5 | emd | SW 6010B |
| | ICP Digestion, Nonaqueous | Complete | | | 08/13/2001 | 900 | | Complete | nrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| | Prep, BNA Non-Aq | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| | BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | |
| | Acenaphthene | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Acenaphthylene | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Anthracene | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Benzo(a)anthracene | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Benzo(b)fluoranthene | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Benzo(k)fluoranthene | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Benzo(a)pyrene | <189 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <189 | dmg | SW 8270C |
| | Benzyl alcohol | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Bis(2-chloroethyl)ether | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Bis(2-chloroethoxy)methane | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| | 4-Chloroaniline | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698530 | SBI002:GB37:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:00 |
| 2-Chloronaphthalene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Chrysene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Dibenzo(a,h)anthracene | | <189 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <189 | dmg | SW 8270C |
| Dibenzofuran | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <757 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <757 | dmg | SW 8270C |
| Diethyl phthalate | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Dimethyl phthalate | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Di-n-octylphthalate | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Fluoranthene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Fluorene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Hexachlorobenzene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <757 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <757 | dmg | SW 8270C |
| Hexachloroethane | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Isophorone | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Naphthalene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Nitrobenzene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Phenanthrene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698530 | SBI002:GB37:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:00 |
| Pyrene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 67 | | ‡ | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 64 | | ‡ | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 81 | | ‡ | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,890 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <1,890 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2-Chlorophenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2-Methylphenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| meta & para-Methylphenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2-Nitrophenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Pentachlorophenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Phenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <378 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <378 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 57 | | ‡ | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 36 | | ‡ | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 48 | | ‡ | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|-------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698531 | SBI002:GB21:S010030:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:35 |
| Dry Weight | | 89.1 | | † | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <3.7 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <3.7 | emd | SW 6010B |
| Barium, ICP | | 65.7 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.73 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 6.1 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.5 | emd | SW 6010B |
| Lead, ICP | | 79.7 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | | 0.081 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.7 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <3.7 | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Acenaphthylene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Anthracene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Benzo(a)anthracene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Benzo(a)pyrene | | <185 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <185 | dmg | SW 8270C |
| Benzyl alcohol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Bis(2-chloroethyl)ether | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698531 | SBI002:GB21:S010030:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:35 |
| | Bis(2-chloroethoxy)methane | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 4-Chloroaniline | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Chrysene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <185 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <185 | dmg | SW 8270C |
| | Dibenzofuran | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <741 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <741 | dmg | SW 8270C |
| | Diethyl phthalate | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Dimethyl phthalate | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Di-n-octylphthalate | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Fluoranthene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Fluorene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Hexachlorobenzene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <741 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <741 | dmg | SW 8270C |
| | Hexachloroethane | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698531 | SBI002:GB21:S010030:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:35 |
| Isophorone | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Naphthalene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Nitrobenzene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Phenanthrene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Pyrene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 86 | | † | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 90 | | † | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 75 | | † | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,850 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <1,850 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 2-Chlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 2-Methylphenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| meta & para-Methylphenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 2-Nitrophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Pentachlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| Phenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <370 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|---------------------------|-------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698531 | SBI002:GB21:S010030:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:35 |
| Surrogate: d6-Phenol | | 77 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 60 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 77 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| 698532 | SBI002:GB22:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:45 |
| Dry Weight | | 88.3 | | % | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <3.7 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <3.7 | emd | SW 6010B |
| Barium, ICP | | 26.6 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.75 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 6.8 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.5 | emd | SW 6010B |
| Lead, ICP | | 15.6 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | | 0.051 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.7 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <3.7 | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 698532 | SBI002:GB22:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:45 |
| Acenaphthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Acenaphthylene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Anthracene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Benzo(a)anthracene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Benzo(a)pyrene | | 199 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <187 | jcs | SW 8270C |
| Benzyl alcohol | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Bis(2-chloroethoxy)methane | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 4-Chloroaniline | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Chrysene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | | <187 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <187 | jcs | SW 8270C |
| Dibenzofuran | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <747 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <747 | jcs | SW 8270C |
| Diethyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Dimethyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698532 | SBI002:GB22:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 08:45 |
| 2,4-Dinitrotoluene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Di-n-octylphthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Fluoranthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Fluorene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Hexachlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <747 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <747 | jcs | SW 8270C |
| Hexachloroethane | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Isophorone | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Naphthalene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Nitrobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Phenanthrene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Pyrene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 78 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 76 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 72 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,870 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <1,870 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |
| 2-Chlorophenol | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <374 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|------------|-------------------------------|----------|------|----------|---------------|--------------|--------------|-------------------|----------|----------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698533 | SBI002:GB24:S005020:428 | | | | | | | | | |
| | Chromium, ICP | 7.3 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.5 | emd | SW 6010B |
| | Lead, ICP | 28 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <2.9 | emd | SW 6010B |
| | Mercury, CVAA | 0.080 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| | Selenium, ICP | <3.7 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <3.7 | emd | SW 6010B |
| | Silver, ICP | <1.5 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.5 | emd | SW 6010B |
| | ICP Digestion, Nonaqueous | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| | Prep, BNA Non-Aq | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| | BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | |
| | Acenaphthene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Acenaphthylene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Anthracene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Benzo(a)anthracene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Benzo(b)fluoranthene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Benzo(k)fluoranthene | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Benzo(a)pyrene | <185 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <185 | jcs | SW 8270C |
| | Benzyl alcohol | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Bis(2-chloroethyl)ether | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Bis(2-chloroethoxy)methane | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| | 4-Chloroaniline | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|-------------------------|--------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 698533 | SBI002:GB24:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 09:10 |
| 2-Chloronaphthalene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Chrysene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Dibenzo (a, h)anthracene | | <185 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <185 | jcs | SW 8270C |
| Dibenzofuran | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <741 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <741 | jcs | SW 8270C |
| Diethyl phthalate | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Dimethyl phthalate | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2,4-Dinitrotoluene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Di-n-octylphthalate | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Fluoranthene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Fluorene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Hexachlorobenzene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <741 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <741 | jcs | SW 8270C |
| Hexachloroethane | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Isophorone | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Naphthalene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Nitrobenzene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Phenanthrene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698533 | SBI002:GB24:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 09:10 |
| Pyrene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 84 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 83 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 72 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,850 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <1,850 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2-Chlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2,4-Dichlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2,4-Dimethylphenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2-Methylphenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| meta & para-Methylphenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2-Nitrophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Pentachlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Phenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | | <370 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <370 | jcs | SW 8270C |
| Surrogate: d6-Phenol | | 67 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | | 57 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | | 66 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference | |
|-------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|-------------------------------------|----------------------------|
| | | | | | | Batch Number | Batch Number | | | Limit |
| 698534 | SBI002:GB23:S005020:428 | | | | | | | | | |
| | | | | | | | | | DATE/TIME TAKEN 08/07/2001 09:00 | |
| Dry Weight | 91.6 | | | g | 08/15/2001 | | 1477 | mhg | SM 2540 G. | |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | emd | SW 6010B | |
| Arsenic, ICP | <3.5 | | | mg/kg dw | 08/16/2001 | 900 | 2956 | <3.5 | emd | SW 6010B |
| Barium, ICP | 36.1 | | | mg/kg dw | 08/16/2001 | 900 | 2887 | <0.70 | emd | SW 6010B |
| Cadmium, ICP | <1.0 | | | mg/kg dw | 08/16/2001 | 900 | 2869 | <1.0 | emd | SW 6010B |
| Chromium, ICP | 4.7 | | | mg/kg dw | 08/16/2001 | 900 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | 27.6 | | | mg/kg dw | 08/16/2001 | 900 | 2858 | <2.7 | emd | SW 6010B |
| Mercury, CVAA | 0.059 | | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <3.5 | | | mg/kg dw | 08/16/2001 | 900 | 2936 | <3.5 | emd | SW 6010B |
| Silver, ICP | <1.4 | | | mg/kg dw | 08/16/2001 | 900 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | <360 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| Acenaphthylene | <360 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| Anthracene | <360 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| Benzo(a)anthracene | 487 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| Benzo(b)fluoranthene | 663 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| Benzo(k)fluoranthene | <360 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| Benzo(a)pyrene | 442 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <180 | jcs | SW 8270C |
| Benzyl alcohol | <360 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| Benzyl butyl phthalate | <360 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | <360 | | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698534 | SBI002:GB23:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 09:00 |
| | Bis(2-chloroethoxy)methane | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 4-Chloroaniline | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Chrysene | 520 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | <180 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <180 | jcs | SW 8270C |
| | Dibenzofuran | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <721 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <721 | jcs | SW 8270C |
| | Diethyl phthalate | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Dimethyl phthalate | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Di-n-octylphthalate | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Fluoranthene | 845 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Fluorene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Hexachlorobenzene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <721 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <721 | jcs | SW 8270C |
| | Hexachloroethane | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 698534 | SBI002:GB23:S005020:428 | | | | | | | | DATE/TIME TAKEN 08/07/2001 09:00 |
| Isophorone | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| Naphthalene | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| Nitrobenzene | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| N-Nitrosodi-n-propylamine | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| Phenanthrene | | 462 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| Pyrene | | 820 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 1,2,4-Trichlorobenzene | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| Surrogate: d5-Nitrobenzene | | 70 | | % | 08/19/2001 | 946 | 1464 | | jcs SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 72 | | % | 08/19/2001 | 946 | 1464 | | jcs SW 8270C |
| Surrogate: d14-Terphenyl | | 74 | | % | 08/19/2001 | 946 | 1464 | | jcs SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | |
| Benzoic Acid | | <1,800 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <1,800 | jcs SW 8270C |
| 4-Chloro-3-methylphenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 2-Chlorophenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 2,4-Dichlorophenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 2,4-Dimethylphenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 2-Methylphenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| meta & para-Methylphenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 2-Nitrophenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| Pentachlorophenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| Phenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 2,4,5-Trichlorophenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |
| 2,4,6-Trichlorophenol | | <360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <360 | jcs SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|----------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698534 | SBI002:GB23:S005020:428 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 08/07/2001 09:00 |
| Surrogate: d6-Phenol | 66 | % | | | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | 59 | % | | | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | 72 | % | | | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| 698535 | SBI002:GB-15:S000010:412 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 08/07/2001 15:35 |
| Dry Weight | 89.4 | % | | | 08/15/2001 | | 1477 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | 27.6 | mg/kg dw | | | 08/16/2001 | 900 | 2956 | <7.2 | emd | SW 6010B |
| Barium, ICP | 171 | mg/kg dw | | | 08/16/2001 | 900 | 2887 | <1.5 | emd | SW 6010B |
| Cadmium, ICP | 3.0 | mg/kg dw | | | 08/16/2001 | 900 | 2869 | <2.1 | emd | SW 6010B |
| Chromium, ICP | 22.6 | mg/kg dw | | | 08/16/2001 | 900 | 2857 | <2.9 | emd | SW 6010B |
| Lead, ICP | 391 | mg/kg dw | | | 08/16/2001 | 900 | 2858 | <5.8 | emd | SW 6010B |
| Mercury, CVAA | 0.716 | mg/kg dw | | | 08/15/2001 | 606 | 620 | <0.043 | epk | SW 7471A |
| Selenium, ICP | <7.2 | mg/kg dw | | | 08/16/2001 | 900 | 2936 | <7.2 | emd | SW 6010B |
| Silver, ICP | <2.9 | mg/kg dw | | | 08/16/2001 | 900 | 2889 | <2.9 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 606 | | Complete. | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698535 | SBI002:GB-15:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 15:35 |
| | Acenaphthene | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Acenaphthylene | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Anthracene | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Benzo(a)anthracene | 452 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Benzo(b)fluoranthene | 826 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Benzo(k)fluoranthene | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Benzo(a)pyrene | 500 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <185 | jcs | SW 8270C |
| | Benzyl alcohol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Bis(2-chloroethyl)ether | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Bis(2-chloroethoxy)methane | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 4-Chloroaniline | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Chrysene | 644 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | <185 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <185 | jcs | SW 8270C |
| | Dibenzofuran | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <738 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <738 | jcs | SW 8270C |
| | Diethyl phthalate | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Dimethyl phthalate | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698535 | SBI002:GB-15:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 15:35 |
| | 2,4-Dichlorophenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 2,4-Dimethylphenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 2-Methylphenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | meta & para-Methylphenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 2-Nitrophenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Pentachlorophenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Phenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <369 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <369 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 69 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 58 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 59 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|--------------------------|------------------|
| 698536 | SBI002:GB-16:S000005:412 | 08/07/2001 16:15 |

| | | | | | | | | |
|----------------|----------|----------|------------|------|----------|------|------------|----------|
| Dry Weight | 92.1 | ‡ | 08/16/2001 | 1478 | | mhg | SM 2540 G. | |
| ICP NONAQUEOUS | Complete | | 08/16/2001 | 1229 | Complete | emd | SW 6010B | |
| Arsenic, ICP | 17.2 | mg/kg dw | 08/16/2001 | 900 | 2956 | <7.1 | emd | SW 6010B |
| Barium, ICP | 87.0 | mg/kg dw | 08/16/2001 | 900 | 2887 | <1.4 | emd | SW 6010B |
| Cadmium, ICP | <2.1 | mg/kg dw | 08/16/2001 | 900 | 2869 | <2.1 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|--------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698536 | SBI002:GB-16:S000005:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 16:15 |
| Chromium, ICP | | 11.8 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <2.8 | emd | SW 6010B |
| Lead, ICP | | 174 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <5.6 | emd | SW 6010B |
| Mercury, CVAA | | 0.879 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.045 | epk | SW 7471A |
| Selenium, ICP | | <7.1 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <7.1 | emd | SW 6010B |
| Silver, ICP | | <2.8 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <2.8 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Acenaphthylene | | 1,210 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Anthracene | | 851 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Benzo(a)anthracene | | 2,700 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | 6,540 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <3,580 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | 2,070 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Benzo(a)pyrene | | 3,030 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <179 | jcs | SW 8270C |
| Benzyl alcohol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Bis(2-chloroethoxy)methane | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 4-Chloroaniline | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 698536 | SBI002:GB-16:S000005:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 16:15 |
| 2-Chloronaphthalene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Chrysene | | 4,040 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <3,580 | dmg | SW 8270C |
| Dibenzo(a,h)anthracene | | 602 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <179 | jcs | SW 8270C |
| Dibenzofuran | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <717 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <717 | jcs | SW 8270C |
| Diethyl phthalate | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Dimethyl phthalate | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2,4-Dinitrotoluene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Di-n-octylphthalate | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Fluoranthene | | 1,740 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Fluorene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Hexachlorobenzene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <717 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <717 | jcs | SW 8270C |
| Hexachloroethane | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | 1,410 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Isophorone | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Naphthalene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Nitrobenzene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Phenanthrene | | 539 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698536 | SBI002:GB-16:S000005:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 16:15 |
| Pyrene | | 4,020 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <3,580 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 83 | note | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 82 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 149 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,790 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <1,790 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2-Chlorophenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2,4-Dichlorophenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2,4-Dimethylphenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2-Methylphenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| meta & para-Methylphenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2-Nitrophenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Pentachlorophenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Phenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | | <358 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <358 | jcs | SW 8270C |
| Surrogate: d6-Phenol | | 68 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | | 53 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | | 64 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|--------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698537 | SBI002:GB-17:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 16:40 |
| Dry Weight | | 88.9 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 26 | | mg/kg dw | 08/16/2001 | 900 | 2956 | <7.0 | emd | SW 6010B |
| Barium, ICP | | 300 | | mg/kg dw | 08/16/2001 | 900 | 2887 | <1.3 | emd | SW 6010B |
| Cadmium, ICP | | <2.0 | | mg/kg dw | 08/16/2001 | 900 | 2869 | <2.0 | emd | SW 6010B |
| Chromium, ICP | | 14.3 | | mg/kg dw | 08/16/2001 | 900 | 2857 | <2.8 | emd | SW 6010B |
| Lead, ICP | | 337 | | mg/kg dw | 08/16/2001 | 900 | 2858 | <5.5 | emd | SW 6010B |
| Mercury, CVAA | | 0.445 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <7.0 | | mg/kg dw | 08/16/2001 | 900 | 2936 | <7.0 | emd | SW 6010B |
| Silver, ICP | | <2.8 | | mg/kg dw | 08/16/2001 | 900 | 2889 | <2.8 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/13/2001 | 900 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| Acenaphthylene | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| Anthracene | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| Benzo(a)anthracene | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | 530 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| Benzo(a)pyrene | | 245 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <186 | jcs | SW 8270C |
| Benzyl alcohol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| Bis(2-chloroethyl) ether | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698537 | SBI002:GB-17:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 16:40 |
| | Bis(2-chloroethoxy)methane | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 4-Chloroaniline | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Chrysene | 434 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | <186 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <186 | jcs | SW 8270C |
| | Dibenzofuran | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <742 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <742 | jcs | SW 8270C |
| | Diethyl phthalate | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Dimethyl phthalate | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Di-n-octylphthalate | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Fluoranthene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Fluorene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Hexachlorobenzene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <742 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <742 | jcs | SW 8270C |
| | Hexachloroethane | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 698537 | SBI002:GB-17:S000015:412 | | | | | | | | DATE/TIME TAKEN 08/07/2001 16:40 |
| Isophorone | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| Naphthalene | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| Nitrobenzene | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| N-Nitrosodi-n-propylamine | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| Phenanthrene | | 502 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| Pyrene | | 1,120 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 1,2,4-Trichlorobenzene | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| Surrogate: d5-Nitrobenzene | | 68 | note | ‡ | 08/19/2001 | 946 | 1464 | | jcs SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 76 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs SW 8270C |
| Surrogate: d14-Terphenyl | | 158 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | |
| Benzoic Acid | | <1,860 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <1,860 | jcs SW 8270C |
| 4-Chloro-3-methylphenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 2-Chlorophenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 2,4-Dichlorophenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 2,4-Dimethylphenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 2-Methylphenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| meta & para-Methylphenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 2-Nitrophenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| Pentachlorophenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| Phenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 2,4,5-Trichlorophenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |
| 2,4,6-Trichlorophenol | | <371 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <371 | jcs SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|---------------------------|--------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|----------------------------|------------------|
| | | | | | | | | | | | |
| 698537 | SBI002:GB-17:S000015:412 | | | | | | | | | | 08/07/2001 16:40 |
| Surrogate: d6-Phenol | 57 | * | | | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C | |
| Surrogate: 2-Fluorophenol | 40 | * | | | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C | |
| Surrogate: Tribromophenol | 55 | * | | | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C | |
| 698538 | SBI002:GB-28:S000020:412 | | | | | | | | | | 08/07/2001 10:30 |
| Dry Weight | 95.2 | * | | | 08/16/2001 | | 1478 | | mhg | SM 2540 G. | |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B | |
| Arsenic, ICP | <3.3 | | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.3 | emd | SW 6010B | |
| Barium, ICP | 77.5 | | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.66 | emd | SW 6010B | |
| Cadmium, ICP | <0.99 | | | mg/kg dw | 08/16/2001 | 901 | 2869 | <0.99 | emd | SW 6010B | |
| Chromium, ICP | 5.6 | | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.4 | emd | SW 6010B | |
| Lead, ICP | 39.0 | | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.6 | emd | SW 6010B | |
| Mercury, CVAA | 0.068 | | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.008 | epk | SW 7471A | |
| Selenium, ICP | <3.3 | | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.3 | emd | SW 6010B | |
| Silver, ICP | <1.4 | | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.4 | emd | SW 6010B | |
| ICP Digestion, Nonaqueous | Complete | | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B | |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A | |
| Prep, BNA Non-Aq | Complete | | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 | |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698538 | SBI002:GB-28:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:30 |
| Acenaphthene | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Acenaphthylene | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Anthracene | | 521 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Benzo(a)anthracene | | 899 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | 1,320 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Benzo(a)pyrene | | 707 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <173 | jcs | SW 8270C |
| Benzyl alcohol | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Bis(2-chloroethoxy)methane | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| 4-Chloroaniline | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Chrysene | | 827 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | | <173 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <173 | jcs | SW 8270C |
| Dibenzofuran | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <693 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <693 | jcs | SW 8270C |
| Diethyl phthalate | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| Dimethyl phthalate | | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|----------|------------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698538 | SBI002:GB-28:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:30 |
| 2,4-Dinitrotoluene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| 2,6-Dinitrotoluene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Di-n-octylphthalate | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Fluoranthene | 1,340 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Fluorene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Hexachlorobenzene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Hexachloro-1,3-butadiene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Hexachlorocyclopentadiene | <693 | ug/kg dw | 08/19/2001 | 946 | 1464 | <693 | jcs | SW 8270C | | |
| Hexachloroethane | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Indeno(1,2,3-cd)pyrene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Isophorone | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Naphthalene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Nitrobenzene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| N-Nitrosodi-n-propylamine | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Phenanthrene | 1,800 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Pyrene | 1,660 | ug/kg dw | 08/21/2001 | 946 | 1466 | <1,630 | dmg | SW 8270C | | |
| 1,2,4-Trichlorobenzene | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| Surrogate: d5-Nitrobenzene | 82 | note % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C | | |
| Surrogate: 2-Fluorobiphenyl | 86 | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C | | |
| Surrogate: d14-Terphenyl | 170 | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C | | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | <1,730 | ug/kg dw | 08/19/2001 | 946 | 1464 | <1,730 | jcs | SW 8270C | | |
| 4-Chloro-3-methylphenol | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |
| 2-Chlorophenol | <347 | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C | | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698538 | SBI002:GB-28:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 10:30 |
| | 2,4-Dichlorophenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | 2,4-Dimethylphenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | 2-Methylphenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | meta & para-Methylphenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | 2-Nitrophenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | Pentachlorophenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | Phenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <347 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <347 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 75 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 67 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 73 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN | | | | | | | | |
|------------|--------------------------|------------------|--|----------|------------|-----|------|----------|-----|------------|
| 698539 | SBI002:GB-29:S005015:412 | 08/07/2001 11:15 | | | | | | | | |
| | Dry Weight | 85.2 | | ‡ | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| | ICP NONAQUEOUS | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| | Arsenic, ICP | 41.5 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <12 | emd | SW 6010B |
| | Barium, ICP | 230 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <2.3 | emd | SW 6010B |
| | Cadmium, ICP | <3.5 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <3.5 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-------------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|----------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698539 | SBI002:GB-29:S005015:412 | | | | | | | | | |
| | Chromium, ICP | 22.9 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <4.6 | emd | SW 6010B |
| | Lead, ICP | 225 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <9.3 | emd | SW 6010B |
| | Mercury, CVAA | 4.17 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.094 | epk | SW 7471A |
| | Selenium, ICP | <12 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <12 | emd | SW 6010B |
| | Silver, ICP | <4.6 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <4.6 | emd | SW 6010B |
| | ICP Digestion, Nonaqueous | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| | Prep, BNA Non-Aq | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| | BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | |
| | Acenaphthene | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |
| | Acenaphthylene | 1,040 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <775 | dmg | SW 8270C |
| | Anthracene | 999 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <775 | dmg | SW 8270C |
| | Benzo(a)anthracene | 2,570 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <775 | dmg | SW 8270C |
| | Benzo(b)fluoranthene | 5,110 | | ug/kg dw | 08/20/2001 | 946 | 1465 | <3,870 | dmg | SW 8270C |
| | Benzo(k)fluoranthene | 2,380 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <775 | dmg | SW 8270C |
| | Benzo(a)pyrene | 2,620 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <387 | dmg | SW 8270C |
| | Benzyl alcohol | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |
| | Bis(2-chloroethyl)ether | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |
| | Bis(2-chloroethoxy)methane | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |
| | 4-Chloroaniline | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|---------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | | |
| 698539 | SBI002:GB-29:S005015:412 | | | | | | | | | | DATE/TIME TAKEN 08/07/2001 11:15 |
| 2-Chloronaphthalene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Chrysene | | 3,370 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <775 | dmg | SW 8270C | |
| Dibenzo(a,h)anthracene | | <388 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <388 | dmg | SW 8270C | |
| Dibenzofuran | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| 1,2-Dichlorobenzene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| 1,3-Dichlorobenzene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| 1,4-Dichlorobenzene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| 3,3'-Dichlorobenzidine | | <1,550 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <1,550 | dmg | SW 8270C | |
| Diethyl phthalate | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Dimethyl phthalate | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| 2,4-Dinitrotoluene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| 2,6-Dinitrotoluene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Di-n-octylphthalate | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Fluoranthene | | 4,580 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <775 | dmg | SW 8270C | |
| Fluorene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Hexachlorobenzene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Hexachloro-1,3-butadiene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Hexachlorocyclopentadiene | | <1,550 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <1,550 | dmg | SW 8270C | |
| Hexachloroethane | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Isophorone | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Naphthalene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Nitrobenzene | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| N-Nitrosodi-n-propylamine | | <774 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <774 | dmg | SW 8270C | |
| Phenanthrene | | 1,350 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <775 | dmg | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|--------------------------|----------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698540 | SBI002:GB-31:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 11:35 |
| Dry Weight | 82.0 | % | | 08/16/2001 | 1478 | | | mhg | | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | 08/16/2001 | 1229 | Complete | | emd | | SW 6010B |
| Arsenic, ICP | 6.7 | mg/kg dw | | 08/16/2001 | 901 | 2956 | <4.0 | emd | | SW 6010B |
| Barium, ICP | 370 | mg/kg dw | | 08/16/2001 | 901 | 2887 | <0.80 | emd | | SW 6010B |
| Cadmium, ICP | 2.2 | mg/kg dw | | 08/16/2001 | 901 | 2869 | <1.2 | emd | | SW 6010B |
| Chromium, ICP | 16.5 | mg/kg dw | | 08/16/2001 | 901 | 2857 | <1.6 | emd | | SW 6010B |
| Lead, ICP | 429 | mg/kg dw | | 08/16/2001 | 901 | 2858 | <3.3 | emd | | SW 6010B |
| Mercury, CVAA | 5.13 | mg/kg dw | | 08/15/2001 | 606 | 620 | <0.201 | epk | | SW 7471A |
| Selenium, ICP | <4.0 | mg/kg dw | | 08/16/2001 | 901 | 2936 | <4.0 | emd | | SW 6010B |
| Silver, ICP | <1.6 | mg/kg dw | | 08/16/2001 | 901 | 2889 | <1.6 | emd | | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | 08/15/2001 | 901 | Complete | | mrt | | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | 08/14/2001 | 606 | Complete | | epk | | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | 08/13/2001 | 946 | Complete | | mem | | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | 561 | ug/kg dw | | 08/20/2001 | 946 | 1464 | <402 | jcs | | SW 8270C |
| Acenaphthylene | 7,060 | ug/kg dw | | 08/21/2001 | 946 | 1466 | <4,020 | dmg | | SW 8270C |
| Anthracene | 1,490 | ug/kg dw | | 08/20/2001 | 946 | 1464 | <402 | jcs | | SW 8270C |
| Benzo(a)anthracene | 4,380 | ug/kg dw | | 08/21/2001 | 946 | 1466 | <4,020 | dmg | | SW 8270C |
| Benzo(b)fluoranthene | 8,600 | ug/kg dw | | 08/21/2001 | 946 | 1466 | <4,020 | dmg | | SW 8270C |
| Benzo(k)fluoranthene | 1,270 | ug/kg dw | | 08/20/2001 | 946 | 1464 | <402 | jcs | | SW 8270C |
| Benzo(a)pyrene | 8,900 | ug/kg dw | | 08/21/2001 | 946 | 1466 | <2,010 | dmg | | SW 8270C |
| Benzyl alcohol | <402 | ug/kg dw | | 08/20/2001 | 946 | 1464 | <402 | jcs | | SW 8270C |
| Benzyl butyl phthalate | <402 | ug/kg dw | | 08/20/2001 | 946 | 1464 | <402 | jcs | | SW 8270C |
| Bis(2-chloroethyl) ether | <402 | ug/kg dw | | 08/20/2001 | 946 | 1464 | <402 | jcs | | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698540 | SBI002:GB-31:S000010:412 | | | | | | | | | |
| | Bis(2-chloroethoxy)methane | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 4-Chloroaniline | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Chrysene | 3,180 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | 1,430 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <201 | jcs | SW 8270C |
| | Dibenzofuran | 637 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <805 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <805 | jcs | SW 8270C |
| | Diethyl phthalate | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Dimethyl phthalate | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Di-n-octylphthalate | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Fluoranthene | 1,820 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Fluorene | 1,620 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Hexachlorobenzene | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <805 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <805 | jcs | SW 8270C |
| | Hexachloroethane | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | 2,370 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <2,010 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698540 | SBI002:GB-31:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 11:35 |
| Isophorone | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| Naphthalene | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| Nitrobenzene | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| Phenanthrene | | 5,340 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <4,020 | dmg | SW 8270C |
| Pyrene | | 7,210 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <4,020 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 74 | note | % | 08/20/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 80 | | % | 08/20/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 243 | | % | 08/20/2001 | 946 | 1464 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <2,010 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <2,010 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| 2-Chlorophenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| 2,4-Dichlorophenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| 2,4-Dimethylphenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| 2-Methylphenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| meta & para-Methylphenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| 2-Nitrophenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| Pentachlorophenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| Phenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | | <402 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <402 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698540 | SBI002:GB-31:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 11:35 |
| Surrogate: d6-Phenol | | 64 | | % | 08/20/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | | 47 | | % | 08/20/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | | 47 | | % | 08/20/2001 | 946 | 1464 | | jcs | SW 8270C |
| 698541 | SBI002:GB-33:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 12:45 |
| Dry Weight | | 92.9 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 9.7 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.6 | emd | SW 6010B |
| Barium, ICP | | 238 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.71 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 13 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | | 397 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | | 0.504 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.042 | epk | SW 7471A |
| Selenium, ICP | | <3.6 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.6 | emd | SW 6010B |
| Silver, ICP | | <1.4 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698541 | SBI002:GB-33:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 12:45 |
| Acenaphthene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Acenaphthylene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Anthracene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Benzo(a)anthracene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | 569 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Benzo(a)pyrene | | 339 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <178 | jcs | SW 8270C |
| Benzyl alcohol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Bis(2-chloroethoxy)methane | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 4-Chloroaniline | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Chrysene | | 360 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | | <178 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <178 | jcs | SW 8270C |
| Dibenzofuran | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <710 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <710 | jcs | SW 8270C |
| Diethyl phthalate | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Dimethyl phthalate | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698541 | SBI002:GB-33:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 12:45 |
| 2,4-Dinitrotoluene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Di-n-octylphthalate | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Fluoranthene | | 440 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Fluorene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Hexachlorobenzene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <710 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <710 | jcs | SW 8270C |
| Hexachloroethane | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Isophorone | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Naphthalene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Nitrobenzene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Phenanthrene | | 456 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Pyrene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 81 | note | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 84 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 163 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,780 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <1,780 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2-Chlorophenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698541 | SBI002:GB-33:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 12:45 |
| 2,4-Dichlorophenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2,4-Dimethylphenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2-Methylphenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| meta & para-Methylphenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2-Nitrophenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Pentachlorophenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Phenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | | <355 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <355 | jcs | SW 8270C |
| Surrogate: d6-Phenol | | 71 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | | 63 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | | 67 | | ‡ | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN | | | | | | | | |
|----------------|--------------------------|------------------|--|----------|------------|-----|------|----------|-----|------------|
| 698542 | SBI002:GB-34:S000015:412 | 08/07/2001 13:20 | | | | | | | | |
| Dry Weight | 88.7 | ‡ | | | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | 34 | | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.6 | emd | SW 6010B |
| Barium, ICP | 89 | | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.71 | emd | SW 6010B |
| Cadmium, ICP | <1.1 | | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|--------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698542 | SBI002:GB-34:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 13:20 |
| Chromium, ICP | | 9.4 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.5 | emd | SW 6010B |
| Lead, ICP | | 125 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.8 | emd | SW 6010B |
| Mercury, CVAA | | 0.230 | | mg/kg dw | 08/15/2001 | 606 | 620 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.6 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.6 | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 606 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | 2,620 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Acenaphthylene | | 1,430 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Anthracene | | 6,720 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <3,720 | dmg | SW 8270C |
| Benzo(a)anthracene | | 29,200 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <3,720 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | 48,600 | | ug/kg dw | 08/24/2001 | 946 | 1468 | <37,200 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | 16,600 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <3,720 | dmg | SW 8270C |
| Benzo(a)pyrene | | 30,900 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <1,860 | dmg | SW 8270C |
| Benzyl alcohol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Bis(2-chloroethoxy)methane | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 4-Chloroaniline | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698542 | SBI002:GB-34:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 13:20 |
| 2-Chloronaphthalene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Chrysene | | 36,900 | | ug/kg dw | 08/24/2001 | 946 | 1468 | <37,200 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | | 2,530 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <1,860 | dmg | SW 8270C |
| Dibenzofuran | | 1,290 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <744 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <744 | jcs | SW 8270C |
| Diethyl phthalate | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Dimethyl phthalate | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 2,4-Dinitrotoluene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Di-n-octylphthalate | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Fluoranthene | | 435 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Fluorene | | 2,130 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Hexachlorobenzene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <744 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <744 | jcs | SW 8270C |
| Hexachloroethane | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | 8,260 | | ug/kg dw | 08/21/2001 | 946 | 1466 | <3,720 | dmg | SW 8270C |
| Isophorone | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Naphthalene | | 879 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Nitrobenzene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs | SW 8270C |
| Phenanthrene | | 55,600 | | ug/kg dw | 08/24/2001 | 946 | 1468 | <37,200 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 698542 | SBI002:GB-34:S000015:412 | | | | | | | | DATE/TIME TAKEN 08/07/2001 13:20 |
| Pyrene | | 74,900 | | ug/kg dw | 08/24/2001 | 946 | 1468 | <37,200 | jcs SW 8270C |
| 1,2,4-Trichlorobenzene | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| Surrogate: d5-Nitrobenzene | | 68 | note | % | 08/20/2001 | 946 | 1464 | | jcs SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 78 | | % | 08/20/2001 | 946 | 1464 | | jcs SW 8270C |
| Surrogate: d14-Terphenyl | | 298 | | % | 08/20/2001 | 946 | 1464 | | jcs SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | |
| Benzoic Acid | | <1,860 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <1,860 | jcs SW 8270C |
| 4-Chloro-3-methylphenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| 2-Chlorophenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| 2,4-Dichlorophenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| 2,4-Dimethylphenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| 2-Methylphenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| meta & para-Methylphenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| 2-Nitrophenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| Pentachlorophenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| Phenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| 2,4,5-Trichlorophenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| 2,4,6-Trichlorophenol | | <372 | | ug/kg dw | 08/20/2001 | 946 | 1464 | <372 | jcs SW 8270C |
| Surrogate: d6-Phenol | | 62 | note | % | 08/20/2001 | 946 | 1464 | | jcs SW 8270C |
| Surrogate: 2-Fluorophenol | | 78 | | % | 08/20/2001 | 946 | 1464 | | jcs SW 8270C |
| Surrogate: Tribromophenol | | 298 | | % | 08/20/2001 | 946 | 1464 | | jcs SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|--------------------------|----------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698543 | SBI002:GB-35:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 14:50 |
| Dry Weight | | 87.6 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 17.1 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.7 | emd | SW 6010B |
| Barium, ICP | | 170 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.72 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 13.0 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.5 | emd | SW 6010B |
| Lead, ICP | | 315 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | | 0.635 | | mg/kg dw | 08/17/2001 | 610 | 625 | <0.037 | epk | SW 7471A |
| Selenium, ICP | | <3.7 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.7 | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/16/2001 | 610 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Acenaphthylene | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Anthracene | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Benzo(a)anthracene | | 502 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | 805 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Benzo(a)pyrene | | 469 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <188 | jcs | SW 8270C |
| Benzyl alcohol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Bis(2-chloroethyl)ether | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698543 | SBI002:GB-35:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 14:50 |
| | Bis(2-chloroethoxy)methane | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 4-Chloroaniline | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Chrysene | 548 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | <188 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <188 | jcs | SW 8270C |
| | Dibenzofuran | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <753 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <753 | jcs | SW 8270C |
| | Diethyl phthalate | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Dimethyl phthalate | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Di-n-octylphthalate | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Fluoranthene | 874 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Fluorene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Hexachlorobenzene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <753 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <753 | jcs | SW 8270C |
| | Hexachloroethane | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698543 | SBI002:GB-35:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 14:50 |
| Isophorone | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Naphthalene | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Nitrobenzene | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Phenanthrene | | 521 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Pyrene | | 1,010 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 75 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 77 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 84 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,880 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <1,880 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 2-Chlorophenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 2,4-Dichlorophenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 2,4-Dimethylphenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 2-Methylphenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| meta & para-Methylphenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 2-Nitrophenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Pentachlorophenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| Phenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | | <377 | | ug/kg dw | 08/19/2001 | 946 | 1464 | <377 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|--|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698543 | SBI002:GB-35:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 14:50 |
| surrogate: d6-Phenol | | 76 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | | 74 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | | 81 | | % | 08/19/2001 | 946 | 1464 | | jcs | SW 8270C |
| 698544 | SBI002:GB-35D:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 14:50 |
| Dry Weight | | 88.2 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 13.3 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.7 | emd | SW 6010B |
| Barium, ICP | | 136 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.74 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 17.1 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.5 | emd | SW 6010B |
| Lead, ICP | | 163 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | | 0.558 | | mg/kg dw | 08/17/2001 | 610 | 625 | <0.036 | epk | SW 7471A |
| Selenium, ICP | | <3.7 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.7 | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/16/2001 | 610 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/13/2001 | 946 | | Complete | mem | EPA 625; SW 3540C; SW 3545 |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698544 | SBI002:GB-35D:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 14:50 |
| Acenaphthene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Acenaphthylene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Anthracene | | 497 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzo(a)anthracene | | 1,930 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | 2,940 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | 1,060 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzo(a)pyrene | | 1,920 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <187 | dmg | SW 8270C |
| Benzyl alcohol | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Bis(2-chloroethyl)ether | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Bis(2-chloroethoxy)methane | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 4-Chloroaniline | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Chrysene | | 1,750 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Dibenzo(a,h)anthracene | | <187 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <187 | dmg | SW 8270C |
| Dibenzofuran | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <748 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <748 | dmg | SW 8270C |
| Diethyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Dimethyl phthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698544 | SBI002:GB-35D:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 14:50 |
| 2,4-Dinitrotoluene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Di-n-octylphthalate | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Fluoranthene | | 3,170 | | ug/kg dw | 08/20/2001 | 946 | 1465 | <1,870 | dmg | SW 8270C |
| Fluorene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Hexachlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <748 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <748 | dmg | SW 8270C |
| Hexachloroethane | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | 393 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Isophorone | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Naphthalene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Nitrobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Phenanthrene | | 2,050 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Pyrene | | <3,740 | | ug/kg dw | 08/20/2001 | 946 | 1465 | <1,870 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 85 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 94 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 87 | Note | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,870 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <1,870 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| 2-Chlorophenol | | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698544 | SBI002:GB-35D:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 14:50 |
| | 2,4-Dichlorophenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | 2,4-Dimethylphenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | 2-Methylphenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | meta & para-Methylphenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | 2-Nitrophenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | Pentachlorophenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | Phenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | 2,4,5-Trichlorophenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | 2,4,6-Trichlorophenol | <374 | | ug/kg dw | 08/19/2001 | 946 | 1463 | <374 | dmg | SW 8270C |
| | Surrogate: d6-Phenol | 83 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorophenol | 77 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |
| | Surrogate: Tribromophenol | 84 | | % | 08/19/2001 | 946 | 1463 | | dmg | SW 8270C |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|---------------------------|------------------|
| 698545 | SBI002:HMW22D:S000020:505 | 08/06/2001 09:25 |

| | | | | | | | | |
|----------------|----------|----------|------------|------|----------|-------|-----|------------|
| Dry Weight | 91.6 | % | 08/16/2001 | 1478 | | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | 08/16/2001 | 1229 | Complete | | emd | SW 6010B |
| Arsenic, ICP | 21.4 | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.6 | emd | SW 6010B |
| Barium, ICP | 115 | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.72 | emd | SW 6010B |
| Cadmium, ICP | <1.1 | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|--------------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698545 | SBI002:HMW22D:S000020:505 | | | | | | | | | |
| | Chromium, ICP | 10 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.4 | emd | SW 6010B |
| | Lead, ICP | 74.0 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.8 | emd | SW 6010B |
| | Mercury, CVAA | 0.243 | MSDR | mg/kg dw | 08/17/2001 | 610 | 625 | <0.009 | epk | SW 7471A |
| | Selenium, ICP | <3.6 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.6 | emd | SW 6010B |
| | Silver, ICP | <1.4 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.4 | emd | SW 6010B |
| | ICP Digestion, Nonaqueous | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/16/2001 | 610 | | Complete | epk | SW 7471A |
| | VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | |
| | 8260 - SW846 (Non-aq) | Complete | | | 08/10/2001 | | 1457 | Complete | bmh | |
| | Acetone | <109 | | ug/kg dw | 08/10/2001 | | 1457 | <109 | bmh | SW 8260A |
| | Benzene | <5.5 | msr | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | tert-Butylbenzene | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | sec-Butylbenzene | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | n-Butylbenzene | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | Bromochloromethane | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | Bromodichloromethane | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | Bromoform | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | Bromobenzene | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | 2-Butanone (MEK) | <55 | | ug/kg dw | 08/10/2001 | | 1457 | <55 | bmh | SW 8260A |
| | Carbon disulfide | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | Carbon tetrachloride | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | Chlorobenzene | <5.5 | msr | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| | Chloroethane | <10.9 | | ug/kg dw | 08/10/2001 | | 1457 | <10.9 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

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08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698545 | SBI002:HMW22D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 09:25 |
| 4-Chlorotoluene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Chloroform | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Chloromethane | | <10.9 | | ug/kg dw | 08/10/2001 | | 1457 | <10.9 | bmh | SW 8260A |
| Dibromochloromethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Dibromomethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.5 | rpd | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Ethylbenzene | | <5.5 | msr | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| n-Hexane | | <21.8 | | ug/kg dw | 08/10/2001 | | 1457 | <21.8 | bmh | SW 8260A |
| 2-Hexanone | | <54.6 | | ug/kg dw | 08/10/2001 | | 1457 | <54.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698545 | SBI002:HMW22D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 09:25 |
| Isopropylbenzene (Cumene) | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Bromomethane | | <10.9 | | ug/kg dw | 08/10/2001 | | 1457 | <10.9 | bmh | SW 8260A |
| Methylene Chloride | | <10.9 | | ug/kg dw | 08/10/2001 | | 1457 | <10.9 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <54.6 | | ug/kg dw | 08/10/2001 | | 1457 | <54.6 | bmh | SW 8260A |
| n-Propylbenzene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Styrene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Naphthalene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Tetrachloroethene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Toluene | | <5.5 | msr | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Trichloroethene | | <5.5 | msr | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Vinyl Acetate | | <5.5 | | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/10/2001 | | 1457 | <2.2 | bmh | SW 8260A |
| Xylenes, Total | | <5.5 | rspd | ug/kg dw | 08/10/2001 | | 1457 | <5.5 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 108 | | % | 08/10/2001 | | 1457 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698545 | SBI002:HMW22D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/06/2001 09:25 |
| Dibromofluoromethane (surr) | 103 | * | | 08/10/2001 | 1457 | | | | bmh | SW 8260A |
| d8-Toluene (surr) | 93 | * | | 08/10/2001 | 1457 | | | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | 94 | * | | 08/10/2001 | 1457 | | | | bmh | SW 8260A |
| 698547 | SBI002:FB1:W080701:505 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 17:00 |
| ICPMS TOTAL METALS | Complete | | | 08/17/2001 | 2458 | Complete | | | kmb | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | | 08/17/2001 | 1802 3562 | <0.0050 | | | kmb | SW 6020 |
| Barium, ICPMS | <0.0050 | mg/L | | 08/17/2001 | 1802 3771 | <0.0050 | | | kmb | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | 08/17/2001 | 1802 3441 | <0.0010 | | | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | | 08/17/2001 | 1802 3824 | <0.0050 | | | kmb | SW 6020 |
| Lead, ICPMS | <0.0010 | mg/L | | 08/17/2001 | 1802 3519 | <0.0010 | | | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | 08/14/2001 | 1364 1306 | <0.0002 | | | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | 08/22/2001 | 729 558 | <0.0050 | | | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | 08/17/2001 | 1802 3776 | <0.0005 | | | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | 08/15/2001 | 1802 | Complete | | | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | 08/10/2001 | 729 | Complete | | | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | 08/11/2001 | 1364 | Complete | | | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | 08/13/2001 | 1255 | Complete | | | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | 08/13/2001 | 1255 | Complete | | | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | 08/14/2001 | 595 | Complete | | | 110 | EPA 418.1 |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|--------|------|------------|------------|-------|----------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 698547 | SBI002:FB1:W080701:505 | | | | 08/09/2001 | 115 | | Complete | rec | DATE/TIME TAKEN 08/07/2001 17:00 |
| Prep, TPH DRO Aqueous Complete | | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/10/2001 | 3472 | Complete | bmh | | |
| Acetone | <20.0 | ug/L | | 08/10/2001 | 3472 | <20.0 | bmh | SW 8260A | | |
| Benzene | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| tert-Butylbenzene | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| sec-Butylbenzene | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| n-Butylbenzene | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Bromochloromethane | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Bromodichloromethane | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Bromoform | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Bromobenzene | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| 2-Butanone (MEK) | <12.5 | ug/L | | 08/10/2001 | 3472 | <12.5 | bmh | SW 8260A | | |
| Carbon disulfide | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Carbon tetrachloride | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Chlorobenzene | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Chloroethane | <5.0 | ug/L | | 08/10/2001 | 3472 | <5.0 | bmh | SW 8260A | | |
| 2-Chlorotoluene | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| 4-Chlorotoluene | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Chloroform | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Chloromethane | <5.0 | ug/L | | 08/10/2001 | 3472 | <5.0 | bmh | SW 8260A | | |
| Dibromochloromethane | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Dibromomethane | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |
| Dichlorodifluoromethane | <1.0 | ug/L | | 08/10/2001 | 3472 | <1.0 | bmh | SW 8260A | | |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 698547 | SBI002:FB1:W080701:505 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 17:00 |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Ethylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| n-Hexane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 2-Hexanone | | <12.5 | | ug/L | 08/10/2001 | | 3472 | <12.5 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| p-Isopropyltoluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromomethane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Methylene Chloride | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 08/10/2001 | | 3472 | <12.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698547 | SBI002:FB1:W080701:505 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 17:00 |
| n-Propylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Styrene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Naphthalene | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 97 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 99 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 100 | | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 102 | note | % | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 698547 | SBI002:FB1:W080701:505 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 17:00 |
| | Acenaphthylene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Anthracene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Chrysene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 08/20/2001 | 1255 | 2658 | <50 | dmg | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698547 | SBI002:FB1:W080701:505 | | | | | | | | | DATE/TIME TAKEN 08/07/2001 17:00 |
| | 2,4-Dimethylphenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Phenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Surrogate: d6-Phenol | 71 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorophenol | 70 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |
| | Surrogate: Tribromophenol | 78 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |
| | TPH - DRO AQUEOUS | <1 | | mg/L | 08/13/2001 | 115 | 200 | <1 | meb | SW 8015M |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 08/14/2001 | | 79 | <1 | meb | SW 8015M |
| | TPH - Method 418.1 (AQ) | <0.20 | | mg/L | 08/15/2001 | 595 | 714 | <0.20 | 110 | EPA 418.1 |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 698574 | SBI002:TB1:W080701:505 | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/10/2001 | | 3472 | Complete | bmh | |
| Acetone | <20.0 | ug/L | | | 08/10/2001 | | 3472 | <20.0 | bmh | SW 8260A |
| Benzene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| tert-Butylbenzene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| sec-Butylbenzene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| n-Butylbenzene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromochloromethane | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromodichloromethane | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromoform | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Bromobenzene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 08/10/2001 | | 3472 | <12.5 | bmh | SW 8260A |
| Carbon disulfide | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Carbon tetrachloride | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Chlorobenzene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Chloroethane | <5.0 | ug/L | | | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 2-Chlorotoluene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 4-Chlorotoluene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Chloroform | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Chloromethane | <5.0 | ug/L | | | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| Dibromochloromethane | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Dibromomethane | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14219

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 698574 | SBI002:TB1:W080701:505 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 |
| | Naphthalene | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | Tetrachloroethene | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | Toluene | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | Trichloroethene | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | Trichlorofluoromethane | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | Vinyl Acetate | <5.0 | | ug/L | 08/10/2001 | | 3472 | <5.0 | bmh | SW 8260A |
| | Vinyl Chloride | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | Xylenes | <1.0 | | ug/L | 08/10/2001 | | 3472 | <1.0 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 98 | | ‡ | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| | Dibromofluoromethane (surr) | 99 | | ‡ | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| | d8-Toluene (surr) | 101 | | ‡ | 08/10/2001 | | 3472 | | bmh | SW 8260A |
| | Bromofluorobenzene (surr) | 101 | note | ‡ | 08/10/2001 | | 3472 | | bmh | SW 8260A |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.14219

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.14219

Sample Number: 698547, 698574

Analysis: 8260

Blank analyzed with samples had hexachlorobutadiene above the reporting limit. No detection was noted for this compound in the samples.

Analysis: 8270 BNA

Sample Number: 698543

Due to elevated levels of non-target compounds, the d12-perylene internal standard was below the recommended response level. Results for the following should be considered estimates:

benzo(b)fluoranthene and benzo(a)pyrene

Sample Number: 698536

Due to elevated levels of non-target compounds, the d12-chrysene and d12-perylene internal standards were below their recommended response levels. Results for the following should be considered estimates:

benzo(a)anthracene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-c,d)pyrene, and dibenz(a,h)anthracene

The surrogate, d14-p-terphenyl, was above the recommended % recovery criteria.

Sample Number: 698537

Due to elevated levels of non-target compounds, the d12-chrysene and d12-perylene internal standards were below their recommended response levels. Results for the following should be considered estimates:

pyrene, chrysene, benzo(b)fluoranthene, and benzo(a)pyrene

The surrogate, d14-p-terphenyl, was above the recommended % recovery criteria.

NOTES AND COMMENTS

TestAmerica Job Number: 1.14219

Analysis: 8270 BNA (cont'd)

Sample Number: 698538

Due to elevated levels of non-target compounds, the d12-chrysene and d12-perylene internal standards were below their recommended response levels. Results for the following should be considered estimates:

benzo(a)anthracene, chrysene, benzo(b)fluoranthene, and benzo(a)pyrene

The surrogate, d14-p-terphenyl, was above the recommended % recovery criteria.

Sample Number: 698541

Due to elevated levels of non-target compounds, the d12-chrysene and d12-perylene internal standards were below their recommended response levels. Results for the following should be considered estimates:

pyrene, chrysene, benzo(b)fluoranthene, and benzo(a)pyrene

The surrogate, d14-p-terphenyl, was above the recommended % recovery criteria.

Sample Number: 698535

Due to elevated levels of non-target compounds, the d12-chrysene and d12-perylene internal standards were below their recommended response levels. Results for the following should be considered estimates:

pyrene, benzo(a)anthracene, chrysene,
benzo(b)fluoranthene, benzo(a)pyrene,
indeno(1,2,3-c,d)pyrene

The surrogate, d14-p-terphenyl, was above the recommended % recovery criteria.

Sample Number: 698540

Due to elevated levels of non-target compounds, the d12-chrysene and d12-perylene internal standards were below the recommended response levels. Results for the following should be considered estimates:

chrysene, benzo(k)fluoranthene, and dibenz(a,h)anthracene

NOTES AND COMMENTS

TestAmerica Job Number: 1.14219

Analysis: 8270 BNA (cont'd)

The surrogate, d14-p-terphenyl, was above the recommended % recovery criteria.

Sample Number: 698542

Due to elevated levels of non-target compounds, the d12-perylene internal standard was below the recommended response level. Effectuated target compounds found were all above the calibration limit, and are reported from diluted analyses.

The surrogates, d14-p-terphenyl and 2,4,6-tribromophenol had elevated % recovery criteria.

Sample Number: 698544

Analysis: 8270 BNA

Due to elevated levels of non-target compounds, the d12-perylene internal standard was below the recommended response level. Consequently, results for the following compounds should be considered estimates:

benzo(b)fluoroanthene, benzo(k)fluoroanthene, benzo(a)pyrene,
indeno(1,2,3-c,d)pyrene.

Sample 698539

Analysis: 8270 BNA

Due to elevated levels of non-target compounds, the d12-perylene internal standard was below the recommended response level. Consequently, results for the following compounds should be considered estimates:

benzo(k)fluoranthene and benzo(a)pyrene

The surrogate d14-p-terphenyl had elevated % recovery criteria.

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SRJ002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

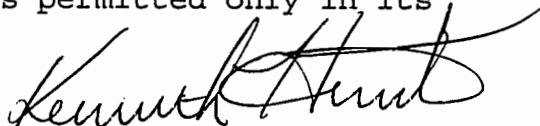
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|----------------------------|-------------------|----------------------|
| 700077 | SBI002:GB-36:S000020:412 | 08/10/2001 | 08/15/2001 |
| 700078 | SBI002:GB-11:S000015:412 | 08/10/2001 | 08/15/2001 |
| 700079 | SBI002:HMW25S:S010025:412 | 08/10/2001 | 08/15/2001 |
| 700080 | SBI002:HMW27S:S000015:412 | 08/13/2001 | 08/15/2001 |
| 700081 | SBI002:HMW18S:S000010:412 | 08/14/2001 | 08/15/2001 |
| 700082 | SBI002:HMW18S:S230250:412 | 08/14/2001 | 08/15/2001 |
| 700083 | SBI002:HMW34S:S000010:412 | 08/14/2001 | 08/15/2001 |
| 700084 | SBI002:HMW-12D:S000020:505 | 08/13/2001 | 08/15/2001 |
| 700085 | SBI002:HMW-11D:S020040:505 | 08/14/2001 | 08/15/2001 |
| 700086 | SBI002:HMW21D:S005020:428 | 08/13/2001 | 08/15/2001 |
| 700087 | SBI002:HMW12S:S005020:428 | 08/14/2001 | 08/15/2001 |
| 700088 | SBI002:FB-1:W081401:412 | 08/14/2001 | 08/15/2001 |
| 700089 | SBI002:TB-1:W081401 | 08/14/2001 | 08/15/2001 |
| 700090 | SBI002:HMW25S:S210230:412 | 08/10/2001 | 08/15/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|-------------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|----------------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 700077 | SBI002:GB-36:S000020:412 | | | | | | | | | | 08/10/2001 11:10 |
| Dry Weight | | 83.9 | | % | 08/22/2001 | | 1482 | | emd | SM 2540 G. | |
| ICP NONAQUEOUS | | Complete | | | 08/23/2001 | | 1245 | Complete | emd | SW 6010B | |
| Arsenic, ICP | | 4.8 | | mg/kg dw | 08/23/2001 | 907 | 2975 | <3.9 | emd | SW 6010B | |
| Barium, ICP | | 41.2 | | mg/kg dw | 08/23/2001 | 907 | 2906 | <0.79 | emd | SW 6010B | |
| Cadmium, ICP | | <1.2 | | mg/kg dw | 08/23/2001 | 907 | 2888 | <1.2 | emd | SW 6010B | |
| Chromium, ICP | | 6.7 | | mg/kg dw | 08/23/2001 | 907 | 2876 | <1.5 | emd | SW 6010B | |
| Lead, ICP | | 11 | | mg/kg dw | 08/23/2001 | 907 | 2877 | <3.1 | emd | SW 6010B | |
| Mercury, CVAA | | <0.008 | | mg/kg dw | 08/24/2001 | 613 | 631 | <0.008 | epk | SW 7471A | |
| Selenium, ICP | | <3.9 | | mg/kg dw | 08/23/2001 | 907 | 2955 | <3.9 | emd | SW 6010B | |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/23/2001 | 907 | 2908 | <1.5 | emd | SW 6010B | |
| ICP Digestion, Nonaqueous | | Complete | | | 08/22/2001 | 907 | | Complete | mrt | SW 3050B | |
| Mercury Digestion, Non-Aq | | Complete | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A | |
| Prep, BNA Non-Aq | | Complete | | | 08/16/2001 | 949 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | | |
| Acenaphthene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Acenaphthylene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Anthracene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Benzo(a)anthracene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Benzo(b)fluoranthene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Benzo(k)fluoranthene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Benzo(a)pyrene | | <197 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <197 | dmg | SW 8270C | |
| Benzyl alcohol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Benzyl butyl phthalate | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Bis(2-chloroethyl)ether | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700077 | SBI002:GB-36:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 11:10 |
| | 1,2-dichloroethoxy)methane | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 4-Chloroaniline | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Chrysene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <197 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <197 | dmg | SW 8270C |
| | Dibenzofuran | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <787 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <787 | dmg | SW 8270C |
| | Diethyl phthalate | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Dimethyl phthalate | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Di-n-octylphthalate | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Fluoranthene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Fluorene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Hexachlorobenzene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <787 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <787 | dmg | SW 8270C |
| | Hexachloroethane | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------------------------|--------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 700077 | SBI002:GB-36:S000020:412 | | | | | | | | | | 08/10/2001 11:10 |
| Isophorone | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Naphthalene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Nitrobenzene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| N-Nitrosodi-n-propylamine | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Phenanthrene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Pyrene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 1,2,4-Trichlorobenzene | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Surrogate: d5-Nitrobenzene | | 86 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| Surrogate: 2-Fluorobiphenyl | | 84 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| Surrogate: d14-Terphenyl | | 99 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | | |
| Benzoic Acid | | <1,970 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <1,970 | dmg | SW 8270C | |
| 4-Chloro-3-methylphenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 2-Chlorophenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 2,4-Dichlorophenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 2,4-Dimethylphenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 2-Methyl-4,6-dinitrophenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 2-Methylphenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| meta & para-Methylphenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 2-Nitrophenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Pentachlorophenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| Phenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 2,4,5-Trichlorophenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |
| 2,4,6-Trichlorophenol | | <393 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <393 | dmg | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|---------------------------|--------------------------|----------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|----------------------------|
| | | | | | | | | | | | |
| 700077 | SBI002:GB-36:S000020:412 | | | | | | | | | | 08/10/2001 11:10 |
| Surrogate: d6-Phenol | | 83 | * | | 08/21/2001 | 949 | 1466 | | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 77 | * | | 08/21/2001 | 949 | 1466 | | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 85 | * | | 08/21/2001 | 949 | 1466 | | | dmg | SW 8270C |
| 700078 | SBI002:GB-11:S000015:412 | | | | | | | | | | 08/10/2001 11:33 |
| Dry Weight | | 86.9 | * | | 08/22/2001 | | 1482 | | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/23/2001 | | 1245 | Complete | | emd | SW 6010B |
| Arsenic, ICP | | 6.3 | | mg/kg dw | 08/23/2001 | 907 | 2975 | <3.8 | | emd | SW 6010B |
| Barium, ICP | | 127 | | mg/kg dw | 08/23/2001 | 907 | 2906 | <0.75 | | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/23/2001 | 907 | 2888 | <1.1 | | emd | SW 6010B |
| Chromium, ICP | | 7.7 | | mg/kg dw | 08/23/2001 | 907 | 2876 | <1.5 | | emd | SW 6010B |
| Lead, ICP | | 628 | | mg/kg dw | 08/23/2001 | 907 | 2877 | <3.0 | | emd | SW 6010B |
| Mercury, CVAA | | 0.275 | | mg/kg dw | 08/24/2001 | 613 | 631 | <0.009 | | epk | SW 7471A |
| Selenium, ICP | | <3.8 | | mg/kg dw | 08/23/2001 | 907 | 2955 | <3.8 | | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/23/2001 | 907 | 2908 | <1.5 | | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/22/2001 | 907 | | Complete | | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/24/2001 | 613 | | Complete | | clm | SW 7471A |
| Prep, PCBs Non-Aq 8082 | | Complete | | | 08/16/2001 | 103 | | Complete | | m1r | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | | Complete | | | 08/16/2001 | 949 | | Complete | | m1r | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | | COMPLETE | | | 08/23/2001 | 594 | | Complete | | 110 | SW 9071 |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700078 | SBI002:GB-11:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 11:33 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/16/2001 | | 1468 | Complete | bmh | |
| Acetone | | <115 | | ug/kg dw | 08/16/2001 | | 1468 | <115 | bmh | SW 8260A |
| Benzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| n-Butylbenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Bromochloromethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Bromodichloromethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Bromoform | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Bromobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <58 | | ug/kg dw | 08/16/2001 | | 1468 | <58 | bmh | SW 8260A |
| Carbon disulfide | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Chlorobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Chloroethane | | <11.5 | | ug/kg dw | 08/16/2001 | | 1468 | <11.5 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Chloroform | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Chloromethane | | <11.5 | | ug/kg dw | 08/16/2001 | | 1468 | <11.5 | bmh | SW 8260A |
| Dibromochloromethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Dibromomethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700078 | SBI002:GB-11:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 11:33 |
| | 1,3-Dichlorobenzene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | Ethylbenzene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | n-Hexane | <23.0 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <23.0 | bmh | SW 8260A |
| | 2-Hexanone | <57.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <57.5 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | Bromomethane | <11.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.5 | bmh | SW 8260A |
| | Methylene Chloride | <11.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.5 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <57.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <57.5 | bmh | SW 8260A |
| | n-Propylbenzene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| | Styrene | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700078 | SBI002:GB-11:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 11:33 |
| Naphthalene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Tetrachloroethene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Toluene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Trichloroethene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Vinyl Acetate | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/16/2001 | | 1468 | <2.3 | bmh | SW 8260A |
| Xylenes, Total | | <5.8 | | ug/kg dw | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | 86 | | | % | 08/16/2001 | | 1468 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | 93 | | | % | 08/16/2001 | | 1468 | | bmh | SW 8260A |
| d8-Toluene (surr) | 107 | | | % | 08/16/2001 | | 1468 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | 112 | | | % | 08/16/2001 | | 1468 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| Acenaphthylene | | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| Anthracene | | 412 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700078 | SBI002:GB-11:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 11:33 |
| | Benzo(a)anthracene | 1,740 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Benzo(b)fluoranthene | 2,090 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Benzo(k)fluoranthene | 751 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Benzo(a)pyrene | 1,610 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <190 | dmg | SW 8270C |
| | Benzyl alcohol | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Bis(2-chloroethyl)ether | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Bis(2-chloroethoxy)methane | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 4-Chloroaniline | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Chrysene | 1,880 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <190 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <190 | dmg | SW 8270C |
| | Dibenzofuran | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <759 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <759 | dmg | SW 8270C |
| | Diethyl phthalate | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Dimethyl phthalate | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |
| | Di-n-octylphthalate | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|---------------------------|--------|------|----------|---------------|--------------|------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Run Number | | | | |
| 700078 | SBI002:GB-11:S000015:412 | | | | | | | | | | 08/10/2001 11:33 |
| | - Methylphenol | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C | |
| | meta & para-Methylphenol | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C | |
| | 2-Nitrophenol | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C | |
| | Pentachlorophenol | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C | |
| | Phenol | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C | |
| | 2,4,5-Trichlorophenol | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C | |
| | 2,4,6-Trichlorophenol | <380 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <380 | dmg | SW 8270C | |
| | Surrogate: d6-Phenol | 84 | | ‡ | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 77 | | ‡ | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| | Surrogate: Tribromophenol | 84 | | ‡ | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| | PCB's M 8082, Non-Aq | | | | | | | | | | |
| | Aroclor 1016 | <0.58 | | mg/kg dw | 08/20/2001 | 103 | 188 | <0.58 | jdc | SW 8082 | |
| | Aroclor 1221 | <0.58 | | mg/kg dw | 08/20/2001 | 103 | 188 | <0.58 | jdc | SW 8082 | |
| | Aroclor 1232 | <0.58 | | mg/kg dw | 08/20/2001 | 103 | 188 | <0.58 | jdc | SW 8082 | |
| | Aroclor 1242 | <0.58 | | mg/kg dw | 08/20/2001 | 103 | 188 | <0.58 | jdc | SW 8082 | |
| | Aroclor 1248 | <0.58 | | mg/kg dw | 08/20/2001 | 103 | 188 | <0.58 | jdc | SW 8082 | |
| | Aroclor 1254 | <0.58 | | mg/kg dw | 08/20/2001 | 103 | 188 | <0.58 | jdc | SW 8082 | |
| | Aroclor 1260 | <0.58 | | mg/kg dw | 08/20/2001 | 103 | 188 | <0.58 | jdc | SW 8082 | |
| | Surrogate: TCX/DCB | 74/89 | note | ‡ | 08/20/2001 | 103 | 188 | | jdc | SW 8082 | |
| | TPH - FTIR Non-aq | <58 | | mg/kg dw | 08/23/2001 | 594 | 626 | <58 | 110 | 418.1 | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700079 | SBI002:HMW25S:S010025:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 08:15 |
| Dry Weight | 85.7 | % | | | 08/22/2001 | | 1482 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/23/2001 | | 1245 | Complete | emd | SW 6010B |
| Arsenic, ICP | <7.5 | mg/kg dw | | | 08/23/2001 | 907 | 2975 | <7.5 | emd | SW 6010B |
| Barium, ICP | 134 | mg/kg dw | | | 08/23/2001 | 907 | 2906 | <0.75 | emd | SW 6010B |
| Cadmium, ICP | <1.1 | mg/kg dw | | | 08/23/2001 | 907 | 2888 | <1.1 | emd | SW 6010B |
| Chromium, ICP | 8.2 | mg/kg dw | | | 08/23/2001 | 907 | 2876 | <1.5 | emd | SW 6010B |
| Lead, ICP | 47.4 | mg/kg dw | | | 08/23/2001 | 907 | 2877 | <3.0 | emd | SW 6010B |
| Mercury, CVAA | 0.208 | mg/kg dw | | | 08/24/2001 | 613 | 631 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <3.7 | mg/kg dw | | | 08/23/2001 | 907 | 2955 | <3.7 | emd | SW 6010B |
| Silver, ICP | <1.5 | mg/kg dw | | | 08/23/2001 | 907 | 2908 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/22/2001 | 907 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A |
| Prep, PCBs Non-Aq 8082 | Complete | | | | 08/20/2001 | 105 | | Complete | lmc | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | | 08/16/2001 | 949 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/23/2001 | 594 | | Complete | 110 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/16/2001 | | 1468 | Complete | bmh | |
| Acetone | <117 | ug/kg dw | | | 08/16/2001 | | 1468 | <117 | bmh | SW 8260A |
| Benzene | <5.8 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| tert-Butylbenzene | <5.8 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| sec-Butylbenzene | <5.8 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| n-Butylbenzene | <5.8 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Bromochloromethane | <5.8 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |
| Bromodichloromethane | <5.8 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700079 | SBI002:HMW25S:S010025:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 08:15 |
| Bromoform | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Bromobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Carbon disulfide | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Chlorobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Chloroethane | | <11.7 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.7 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Chloroform | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Chloromethane | | <11.7 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.7 | bmh | SW 8260A |
| Dibromochloromethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Dibromomethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700079 | SBI002:HMW25S:S010025:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 08:15 |
| 2,2-Dichloropropane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| Ethylbenzene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| n-Hexane | | <23.3 | | ug/kg dw | 08/16/2001 | 1468 | | <23.3 | bmh | SW 8260A |
| 2-Hexanone | | <58.3 | | ug/kg dw | 08/16/2001 | 1468 | | <58.3 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| Bromomethane | | <11.7 | | ug/kg dw | 08/16/2001 | 1468 | | <11.7 | bmh | SW 8260A |
| Methylene Chloride | | <11.7 | | ug/kg dw | 08/16/2001 | 1468 | | <11.7 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <58.3 | | ug/kg dw | 08/16/2001 | 1468 | | <58.3 | bmh | SW 8260A |
| n-Propylbenzene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| Styrene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| Naphthalene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| Tetrachloroethene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| Toluene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |
| Trichloroethene | | <5.8 | | ug/kg dw | 08/16/2001 | 1468 | | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700079 | SBI002:HMW25S:S010025:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 08:15 |
| | 2,2'-oxybis(1-Chloropropane) | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 4-Chloroaniline | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Chrysene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <193 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <193 | dmg | SW 8270C |
| | Dibenzofuran | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <770 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <770 | dmg | SW 8270C |
| | Diethyl phthalate | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Dimethyl phthalate | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Di-n-octylphthalate | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Fluoranthene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Fluorene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Hexachlorobenzene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <770 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <770 | dmg | SW 8270C |
| | Hexachloroethane | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Isophorone | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |
| | Naphthalene | <385 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <385 | dmg | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700079 | SBI002:HMW25S:S010025:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 08:15 |
| Surrogate: Tribromophenol | 74 | % | | | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | <0.58 | mg/kg dw | | | 08/20/2001 | 105 | 187 | <0.58 | jdc | SW 8082 |
| Aroclor 1221 | <0.58 | mg/kg dw | | | 08/20/2001 | 105 | 187 | <0.58 | jdc | SW 8082 |
| Aroclor 1232 | <0.58 | mg/kg dw | | | 08/20/2001 | 105 | 187 | <0.58 | jdc | SW 8082 |
| Aroclor 1242 | <0.58 | mg/kg dw | | | 08/20/2001 | 105 | 187 | <0.58 | jdc | SW 8082 |
| Aroclor 1248 | <0.58 | mg/kg dw | | | 08/20/2001 | 105 | 187 | <0.58 | jdc | SW 8082 |
| Aroclor 1254 | <0.58 | mg/kg dw | | | 08/20/2001 | 105 | 187 | <0.58 | jdc | SW 8082 |
| Aroclor 1260 | <0.58 | mg/kg dw | | | 08/20/2001 | 105 | 187 | <0.58 | jdc | SW 8082 |
| Surrogate:TCX/DCB | 71/75 | % | | | 08/20/2001 | 105 | 187 | | jdc | SW 8082 |
| TPH - FTIR Non-aq | <58 | mg/kg dw | | | 08/23/2001 | 594 | 626 | <58 | 110 | 418.1 |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|---------------------------|------------------|
| 700080 | SBI002:HMW27S:S000015:412 | 08/13/2001 10:25 |

| | | | | | | | | | | |
|----------------|----------|----------|--|--|------------|-----|------|----------|-----|------------|
| Dry Weight | 89.1 | % | | | 08/22/2001 | | 1482 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/23/2001 | | 1245 | Complete | emd | SW 6010B |
| Arsenic, ICP | 11 | mg/kg dw | | | 08/23/2001 | 907 | 2975 | <3.6 | emd | SW 6010B |
| Barium, ICP | 77.3 | mg/kg dw | | | 08/23/2001 | 907 | 2906 | <0.73 | emd | SW 6010B |
| Cadmium, ICP | <2.2 | mg/kg dw | | | 08/23/2001 | 907 | 2888 | <2.2 | emd | SW 6010B |
| Chromium, ICP | 15.5 | mg/kg dw | | | 08/23/2001 | 907 | 2876 | <1.5 | emd | SW 6010B |
| Lead, ICP | 132 | mg/kg dw | | | 08/23/2001 | 907 | 2877 | <2.9 | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700080 | SBI002:HMW27S:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 10:25 |
| Mercury, CVAA | 0.441 | mg/kg | dw | 08/24/2001 | 613 | 631 | <0.018 | epk | SW 7471A | |
| Selenium, ICP | <3.6 | mg/kg | dw | 08/23/2001 | 907 | 2955 | <3.6 | emd | SW 6010B | |
| Silver, ICP | <1.5 | mg/kg | dw | 08/23/2001 | 907 | 2908 | <1.5 | emd | SW 6010B | |
| ICP Digestion, Nonaqueous | Complete | | | 08/22/2001 | 907 | | Complete | mrt | SW 3050B | |
| Mercury Digestion, Non-Aq | Complete | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A | |
| Prep, BNA Non-Aq | Complete | | | 08/16/2001 | 949 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 | |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | 08/23/2001 | 594 | | Complete | 110 | SW 9071 | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | 08/17/2001 | | 1471 | | bmh | | |
| Acetone | <224 | ug/kg | dw | 08/17/2001 | | 1471 | <224 | bmh | SW 8260A | |
| Benzene | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| tert-Butylbenzene | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| sec-Butylbenzene | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| n-Butylbenzene | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| Bromochloromethane | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| Bromodichloromethane | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| Bromoform | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| Bromobenzene | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| 2-Butanone (MEK) | <112 | ug/kg | dw | 08/17/2001 | | 1471 | <112 | bmh | SW 8260A | |
| Carbon disulfide | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| Carbon tetrachloride | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| Chlorobenzene | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |
| Chloroethane | <22 | ug/kg | dw | 08/17/2001 | | 1471 | <22 | bmh | SW 8260A | |
| 2-Chlorotoluene | <11 | ug/kg | dw | 08/17/2001 | | 1471 | <11 | bmh | SW 8260A | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700080 | SBI002:HMW27S:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 10:25 |
| 4-Chlorotoluene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| Chloroform | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| Chloromethane | <22 | ug/kg | dw | 08/17/2001 | 1471 | <22 | bmh | SW 8260A | | |
| Dibromochloromethane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| Dibromomethane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| Dichlorodifluoromethane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,2-Dibromo-3-chloropropane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,2-Dichlorobenzene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,3-Dichlorobenzene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,4-Dichlorobenzene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,1-Dichloroethane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,2-Dichloroethane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,1-Dichloroethene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| cis-1,2-Dichloroethene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| trans-1,2-Dichloroethene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,2-Dichloropropane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,3-Dichloropropane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 2,2-Dichloropropane | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| 1,1-Dichloropropene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| cis-1,3-Dichloropropene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| trans-1,3-Dichloropropene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| Ethylbenzene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| Hexachlorobutadiene | <11 | ug/kg | dw | 08/17/2001 | 1471 | <11 | bmh | SW 8260A | | |
| n-Hexane | <45 | ug/kg | dw | 08/17/2001 | 1471 | <45 | bmh | SW 8260A | | |
| 2-Hexanone | <112 | ug/kg | dw | 08/17/2001 | 1471 | <112 | bmh | SW 8260A | | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700080 | SBI002:HMW27S:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 10:25 |
| | Isopropylbenzene (Cumene) | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | p-Isopropyltoluene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Bromomethane | <22 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <22 | bmh | SW 8260A |
| | Methylene Chloride | <22 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <22 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <112 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <112 | bmh | SW 8260A |
| | n-Propylbenzene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Styrene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Naphthalene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 1,1,1,2,2-Tetrachloroethane | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Tetrachloroethene | 14.7 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Toluene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Trichloroethene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Trichlorofluoromethane | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | 1,3,5-Trimethylbenzene | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Vinyl Acetate | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | Vinyl Chloride | <4.5 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <4.5 | bmh | SW 8260A |
| | Xylenes, Total | <11 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <11 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 99 | | * | 08/17/2001 | 1471 | 1471 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700080 | SBI002:HMW27S:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 10:25 |
| Dibromofluoromethane (surr) | | 98 | | ‡ | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 111 | | ‡ | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 114 | Note | ‡ | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Acenaphthylene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Anthracene | | 630 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Benzo(a)anthracene | | 4,990 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,700 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | 9,290 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,700 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | 3,780 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,700 | jcs | SW 8270C |
| Benzo(a)pyrene | | 5,970 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <1,800 | jcs | SW 8270C |
| Benzyl alcohol | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Bis(2-chloroethyl) ether | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Bis(2-chloroethoxy)methane | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 4-Chloroaniline | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Chrysene | | 6,550 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,700 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | | 368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <185 | dmg | SW 8270C |
| Dibenzofuran | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700080 | SBI002:HMW27S:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 10:25 |
| 1,3-Dichlorobenzene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <741 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <741 | dmg | SW 8270C |
| Diethyl phthalate | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Dimethyl phthalate | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Di-n-octylphthalate | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Fluoranthene | | 11,000 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,700 | jcs | SW 8270C |
| Fluorene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Hexachlorobenzene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <741 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <741 | dmg | SW 8270C |
| Hexachloroethane | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | 1,170 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Isophorone | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Naphthalene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Nitrobenzene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Phenanthrene | | 6,000 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,700 | jcs | SW 8270C |
| Pyrene | | 10,500 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,700 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 93 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 99 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 101 | Note | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------------------------|----------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 700080 | SBI002:HMW27S:S000015:412 | | | | | | | | | | 08/13/2001 10:25 |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | | |
| | Benzoic Acid | <1,850 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <1,850 | dmg | SW 8270C | |
| | 4-Chloro-3-methylphenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | 2-Chlorophenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | 2,4-Dichlorophenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | 2,4-Dimethylphenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | 2-Methylphenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | meta & para-Methylphenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | 2-Nitrophenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | Pentachlorophenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | Phenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | 2,4,5-Trichlorophenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | 2,4,6-Trichlorophenol | <370 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <370 | dmg | SW 8270C | |
| | Surrogate: d6-Phenol | 65 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 51 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| | Surrogate: Tribromophenol | 61 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C | |
| | TPH - GRO (Non-Aqueous) | <6 | | mg/kg dw | 08/16/2001 | | 247 | <6 | meb | SW 8015M | |
| | TPH - FTIR Non-aq | 110 | | mg/kg dw | 08/23/2001 | 594 | 626 | <56 | 110 | 418.1 | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700081 | SBI002:HMW18S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 07:53 |
| Dry Weight | 89.6 | | | % | 08/22/2001 | | 1482 | | mhg | SM 2540 G. |
| Prep, BNA Non-Aq | Complete | | | | 08/16/2001 | 949 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/23/2001 | 594 | | Complete | 110 | SW 9071 |
| Prep, TPH DRO Nonaq | Complete | | | | 08/16/2001 | 197 | | Complete | mlr | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/16/2001 | | 1468 | Complete | bmh | |
| Acetone | <112 | | | ug/kg dw | 08/16/2001 | | 1468 | <112 | bmh | SW 8260A |
| Benzene | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| tert-Butylbenzene | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| sec-Butylbenzene | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| n-Butylbenzene | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Bromochloromethane | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Bromodichloromethane | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Bromoform | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Bromobenzene | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 2-Butanone (MEK) | <56 | | | ug/kg dw | 08/16/2001 | | 1468 | <56 | bmh | SW 8260A |
| Carbon disulfide | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Carbon tetrachloride | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Chlorobenzene | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Chloroethane | <11.2 | | | ug/kg dw | 08/16/2001 | | 1468 | <11.2 | bmh | SW 8260A |
| 2-Chlorotoluene | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 4-Chlorotoluene | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Chloroform | <5.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Chloromethane | <11.2 | | | ug/kg dw | 08/16/2001 | | 1468 | <11.2 | bmh | SW 8260A |

ANALYTICAL REPORT

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08/29/2001

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700081 | SBI002:HMW18S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 07:53 |
| | Dibromochloromethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Dibromomethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Ethylbenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | n-Hexane | <22.3 | | ug/kg dw | 08/16/2001 | | 1468 | <22.3 | bmh | SW 8260A |
| | 2-Hexanone | <55.8 | | ug/kg dw | 08/16/2001 | | 1468 | <55.8 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Bromomethane | <11.2 | | ug/kg dw | 08/16/2001 | | 1468 | <11.2 | bmh | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700081 | SBI002:HMW18S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 07:53 |
| | Methylene Chloride | <11.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.2 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <55.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <55.8 | bmh | SW 8260A |
| | n-Propylbenzene | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | Styrene | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | Naphthalene | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | Tetrachloroethene | 31.8 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | Toluene | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | Trichloroethene | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | 1,3,5-Trimethylbenzene | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | Vinyl Acetate | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | Vinyl Chloride | <2.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <2.2 | bmh | SW 8260A |
| | Xylenes, Total | <5.6 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.6 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 91 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | Dibromofluoromethane (surr) | 92 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | d8-Toluene (surr) | 105 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | Bromofluorobenzene (surr) | 112 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700081 | SBI002:HMW18S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 07:53 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Acenaphthylene | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Anthracene | | 1,670 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Benzo (a) anthracene | | 5,510 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,680 | jcs | SW 8270C |
| Benzo (b) fluoranthene | | 7,920 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,680 | jcs | SW 8270C |
| Benzo (k) fluoranthene | | 3,110 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Benzo (a) pyrene | | 5,260 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <1,790 | jcs | SW 8270C |
| Benzyl alcohol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Bis (2-chloroethyl) ether | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Bis (2-chloroethoxy) methane | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Bis (2-ethylhexyl) phthalate | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2,2'-oxybis (1-Chloropropane) | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 4-Chloroaniline | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Chrysene | | 5,280 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,680 | jcs | SW 8270C |
| Dibenzo (a, h) anthracene | | <184 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <184 | dmg | SW 8270C |
| Dibenzofuran | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <737 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <737 | dmg | SW 8270C |
| Diethyl phthalate | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700081 | SBI002:HMW18S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 07:53 |
| | Dimethyl phthalate | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Di-n-octylphthalate | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Fluoranthene | 10,300 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,680 | jcs | SW 8270C |
| | Fluorene | 477 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Hexachlorobenzene | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <737 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <737 | dmg | SW 8270C |
| | Hexachloroethane | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | 820 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Isophorone | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Naphthalene | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Nitrobenzene | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | N-Nitrosodi-n-propylamine | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Phenanthrene | 8,200 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,680 | jcs | SW 8270C |
| | Pyrene | 11,800 | | ug/kg dw | 08/24/2001 | 949 | 1468 | <3,680 | jcs | SW 8270C |
| | 1,2,4-Trichlorobenzene | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 95 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 105 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| | Surrogate: d14-Terphenyl | 88 | Note | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,840 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <1,840 | dmg | SW 8270C |
| | 4-Chloro-3-methylphenol | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700081 | SBI002:HMW18S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 07:53 |
| 2-Chlorophenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2-Methylphenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| meta & para-Methylphenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2-Nitrophenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Pentachlorophenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Phenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <368 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <368 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 86 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 77 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 88 | | % | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| TPH - DRO Non-Aqueous | | 528 | | mg/kg dw | 08/18/2001 | 197 | 283 | <11 | meb | SW 8015M |
| TPH - FTIR Non-aq | | 395 | | mg/kg dw | 08/23/2001 | 594 | 626 | <56 | 110 | 418.1 |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700082 | SBI002:HMW18S:S230250:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 09:25 |
| | Ethylene Chloride | <10.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <10.5 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <52.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <52.4 | bmh | SW 8260A |
| | n-Propylbenzene | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | Styrene | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | Naphthalene | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | Tetrachloroethene | 9.7 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | Toluene | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | Trichloroethene | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | 1,3,5-Trimethylbenzene | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | Vinyl Acetate | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <2.1 | bmh | SW 8260A |
| | Xylenes, Total | <5.2 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.2 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 90 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | Dibromofluoromethane (surr) | 92 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | d8-Toluene (surr) | 95 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | Bromofluorobenzene (surr) | 92 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700082 | SBI002:HMW18S:S230250:412 | | | | | | | | | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| | Acenaphthene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Acenaphthylene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Anthracene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Benzo(a)anthracene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Benzo(b)fluoranthene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Benzo(k)fluoranthene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Benzo(a)pyrene | <173 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <173 | dmg | SW 8270C |
| | Benzyl alcohol | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Bis(2-chloroethyl)ether | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Bis(2-chloroethoxy)methane | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 4-Chloroaniline | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Chrysene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <173 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <173 | dmg | SW 8270C |
| | Dibenzofuran | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <692 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <692 | dmg | SW 8270C |
| | Diethyl phthalate | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700082 | SBI002:HMW18S:S230250:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 09:25 |
| | Dimethyl phthalate | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Di-n-octylphthalate | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Fluoranthene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Fluorene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Hexachlorobenzene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <692 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <692 | dmg | SW 8270C |
| | Hexachloroethane | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Isophorone | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Naphthalene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Nitrobenzene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | N-Nitrosodi-n-propylamine | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Phenanthrene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Pyrene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | 1,2,4-Trichlorobenzene | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 88 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 93 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| | Surrogate: d14-Terphenyl | 101 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,730 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <1,730 | dmg | SW 8270C |
| | 4-Chloro-3-methylphenol | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700082 | SBI002:HMW18S:S230250:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 09:25 |
| 2-Chlorophenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| 2-Methylphenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| meta & para-Methylphenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| 2-Nitrophenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| Pentachlorophenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| Phenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <346 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <346 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 37 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 20 | Note | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 54 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| TPH - DRO Non-Aqueous | | 11.8 | | mg/kg dw | 08/17/2001 | 197 | 283 | <10 | meb | SW 8015M |
| TPH - FTIR Non-aq | | <52 | | mg/kg dw | 08/23/2001 | 594 | 626 | <52 | 110 | 418.1 |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | | |
| 700083 | SBI002:HMW34S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 11:36 |
| dry Weight | 94.1 | % | | | 08/23/2001 | | 1483 | | | mhg SM 2540 G. |
| Prep, BNA Non-Aq | Complete | | | | 08/16/2001 | 949 | | Complete | | mlr EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/23/2001 | 594 | | Complete | | 110 SW 9071 |
| Prep, TPH DRO Nonaq | Complete | | | | 08/16/2001 | 197 | | Complete | | mlr |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/16/2001 | | 1468 | Complete | | bmh |
| Acetone | <106 | ug/kg dw | | | 08/16/2001 | | 1468 | <106 | | bmh SW 8260A |
| Benzene | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| tert-Butylbenzene | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| sec-Butylbenzene | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| n-Butylbenzene | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Bromochloromethane | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Bromodichloromethane | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Bromoform | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Bromobenzene | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| 2-Butanone (MEK) | <53 | ug/kg dw | | | 08/16/2001 | | 1468 | <53 | | bmh SW 8260A |
| Carbon disulfide | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Carbon tetrachloride | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Chlorobenzene | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Chloroethane | <10.6 | ug/kg dw | | | 08/16/2001 | | 1468 | <10.6 | | bmh SW 8260A |
| 2-Chlorotoluene | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| 4-Chlorotoluene | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Chloroform | <5.3 | ug/kg dw | | | 08/16/2001 | | 1468 | <5.3 | | bmh SW 8260A |
| Chloromethane | <10.6 | ug/kg dw | | | 08/16/2001 | | 1468 | <10.6 | | bmh SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700083 | SBI002:HMW34S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 11:36 |
| Dibromochloromethane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Dibromomethane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Ethylbenzene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| n-Hexane | | <21.3 | | ug/kg dw | 08/16/2001 | | 1468 | <21.3 | bmh | SW 8260A |
| 2-Hexanone | | <53.1 | | ug/kg dw | 08/16/2001 | | 1468 | <53.1 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Bromomethane | | <10.6 | | ug/kg dw | 08/16/2001 | | 1468 | <10.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting | Analyst | Limit | Initials | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------|---------|-------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | | | |
| 700083 | SBI002:HMW34S:S000010:412 | | | | | | | | | | | DATE/TIME TAKEN 08/14/2001 11:36 |
| | Chylene Chloride | <10.6 | | ug/kg dw | 08/16/2001 | | 1468 | <10.6 | | bmh | SW 8260A | |
| | Methyl t-butyl ether (MTBE) | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 4-Methyl-2-pentanone (MIBK) | <53.1 | | ug/kg dw | 08/16/2001 | | 1468 | <53.1 | | bmh | SW 8260A | |
| | n-Propylbenzene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | Styrene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | Naphthalene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 1,1,1,2-Tetrachloroethane | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 1,1,2,2-Tetrachloroethane | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | Tetrachloroethene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | Toluene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 1,2,4-Trichlorobenzene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 1,1,1-Trichloroethane | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 1,1,2-Trichloroethane | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | Trichloroethene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | Trichlorofluoromethane | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 1,2,3-Trichloropropane | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 1,2,4-Trimethylbenzene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | 1,3,5-Trimethylbenzene | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | Vinyl Acetate | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/16/2001 | | 1468 | <2.1 | | bmh | SW 8260A | |
| | Xylenes, Total | <5.3 | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | | bmh | SW 8260A | |
| | d4-1,2-Dichloroethane (surr) | 89 | | % | 08/16/2001 | | 1468 | | | bmh | SW 8260A | |
| | Dibromofluoromethane (surr) | 84 | | % | 08/16/2001 | | 1468 | | | bmh | SW 8260A | |
| | d8-Toluene (surr) | 95 | | % | 08/16/2001 | | 1468 | | | bmh | SW 8260A | |
| | Bromofluorobenzene (surr) | 94 | | % | 08/16/2001 | | 1468 | | | bmh | SW 8260A | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|-------------------------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|------------------|
| | | | | | | Batch Number | Batch Number | | |
| 700083 | SBI002:HMW34S:S000010:412 | | | | | | | | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | |
| | Acenaphthene | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Acenaphthylene | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Anthracene | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Benzo(a)anthracene | 353 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Benzo(b)fluoranthene | 494 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Benzo(k)fluoranthene | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Benzo(a)pyrene | 340 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <175 | dmg SW 8270C |
| | Benzyl alcohol | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Benzyl butyl phthalate | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Bis(2-chloroethyl)ether | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Bis(2-chloroethoxy)methane | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | 4-Bromophenyl phenyl ether | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | 4-Chloroaniline | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | 2-Chloronaphthalene | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Chrysene | 408 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | Dibenzo(a,h)anthracene | <175 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <175 | dmg SW 8270C |
| | Dibenzofuran | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | 1,2-Dichlorobenzene | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | 1,3-Dichlorobenzene | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | 1,4-Dichlorobenzene | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |
| | 3,3'-Dichlorobenzidine | <701 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <701 | dmg SW 8270C |
| | Diethyl phthalate | <351 | | ug/kg dw | 08/21/2001 | 949 | 1466 | <351 | dmg SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700083 | SBI002:HMW34S:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 11:36 |
| 2-Chlorophenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| 2,4-Dichlorophenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| 2,4-Dimethylphenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| 2-Methylphenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| meta & para-Methylphenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| 2-Nitrophenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| Pentachlorophenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| Phenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | <351 | ug/kg dw | | | 08/21/2001 | 949 | 1466 | <351 | dmg | SW 8270C |
| Surrogate: d6-Phenol | 73 | % | | | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | 50 | % | | | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | 25 | % | | | 08/21/2001 | 949 | 1466 | | dmg | SW 8270C |
| TPH - DRO Non-Aqueous | 30.4 | mg/kg dw | | | 08/17/2001 | 197 | 283 | <11 | meb | SW 8015M |
| TPH - FTIR Non-aq | <53 | mg/kg dw | | | 08/23/2001 | 594 | 626 | <53 | 110 | 418.1 |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|----------------------------|----------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 700084 | SBI002:HMW-12D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 11:00 |
| | Moisture Weight | 91.6 | | % | 08/23/2001 | | 1483 | | | mbg SW 2540 G. |
| | ICP NONAQUEOUS | Complete | | | 08/23/2001 | | 1245 | Complete | emd | SW 6010B |
| | Arsenic, ICP | 4.9 | | mg/kg dw | 08/23/2001 | 907 | 2975 | <3.5 | emd | SW 6010B |
| | Barium, ICP | 58.0 | | mg/kg dw | 08/23/2001 | 907 | 2906 | <0.70 | emd | SW 6010B |
| | Cadmium, ICP | <1.0 | | mg/kg dw | 08/23/2001 | 907 | 2888 | <1.0 | emd | SW 6010B |
| | Chromium, ICP | 8.4 | | mg/kg dw | 08/23/2001 | 907 | 2876 | <1.4 | emd | SW 6010B |
| | Lead, ICP | 58.0 | | mg/kg dw | 08/23/2001 | 907 | 2877 | <2.8 | emd | SW 6010B |
| | Mercury, CVAA | 0.11 | | mg/kg dw | 08/24/2001 | 613 | 631 | <0.009 | epk | SW 7471A |
| | Selenium, ICP | <3.5 | | mg/kg dw | 08/23/2001 | 907 | 2955 | <3.5 | emd | SW 6010B |
| | Silver, ICP | <1.4 | | mg/kg dw | 08/23/2001 | 907 | 2908 | <1.4 | emd | SW 6010B |
| | ICP Digestion, Nonaqueous | Complete | | | 08/22/2001 | 907 | | Complete | mrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| | 8260 - SW846 (Non-aq) | Complete | | | 08/16/2001 | | 1468 | Complete | bmh | |
| | Acetone | <109 | | ug/kg dw | 08/16/2001 | | 1468 | <109 | bmh | SW 8260A |
| | Benzene | <5.5 | msr | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| | tert-Butylbenzene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| | sec-Butylbenzene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| | n-Butylbenzene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| | Bromochloromethane | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| | Bromodichloromethane | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| | Bromoform | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| | Bromobenzene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| | 2-Butanone (MEK) | <55 | | ug/kg dw | 08/16/2001 | | 1468 | <55 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700084 | SBI002:HMW-12D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 11:00 |
| Carbon disulfide | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Chlorobenzene | | <5.5 | SS | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Chloroethane | | <10.9 | | ug/kg dw | 08/16/2001 | | 1468 | <10.9 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Chloroform | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Chloromethane | | <10.9 | | ug/kg dw | 08/16/2001 | | 1468 | <10.9 | bmh | SW 8260A |
| Dibromochloromethane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Dibromomethane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 700084 | SBI002:HMW-12D:S000020:505 | | | | | | | | | | 08/13/2001 11:00 |
| | trans-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Ethylbenzene | <5.5 | ss | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Hexachlorobutadiene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | n-Hexane | <21.8 | | ug/kg dw | 08/16/2001 | | 1468 | <21.8 | bmh | SW 8260A | |
| | 2-Hexanone | <54.6 | | ug/kg dw | 08/16/2001 | | 1468 | <54.6 | bmh | SW 8260A | |
| | Isopropylbenzene (Cumene) | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | p-Isopropyltoluene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Bromomethane | <10.9 | | ug/kg dw | 08/16/2001 | | 1468 | <10.9 | bmh | SW 8260A | |
| | Methylene Chloride | <10.9 | | ug/kg dw | 08/16/2001 | | 1468 | <10.9 | bmh | SW 8260A | |
| | Methyl t-butyl ether (MTBE) | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | 4-Methyl-2-pentanone (MIBK) | <54.6 | | ug/kg dw | 08/16/2001 | | 1468 | <54.6 | bmh | SW 8260A | |
| | n-Propylbenzene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Styrene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Naphthalene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | 1,1,1,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | 1,1,2,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Tetrachloroethene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Toluene | <5.5 | ms | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | 1,2,4-Trichlorobenzene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | 1,1,1-Trichloroethane | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | 1,1,2-Trichloroethane | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Trichloroethene | <5.5 | msr | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Trichlorofluoromethane | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | 1,2,3-Trichloropropane | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | 1,2,4-Trimethylbenzene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | | |
| 700084 | SBI002:HMW-12D:S000020:505 | | | | | | | | | | 08/13/2001 11:00 |
| | 1,3,5-Trimethylbenzene | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Vinyl Acetate | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | Vinyl Chloride | <2.2 | | ug/kg dw | 08/16/2001 | | 1468 | <2.2 | bmh | SW 8260A | |
| | Xylenes, Total | <5.5 | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A | |
| | d4-1,2-Dichloroethane(surr) | 88 | | % | 08/16/2001 | | 1468 | | bmh | SW 8260A | |
| | Dibromofluoromethane(surr) | 91 | | % | 08/16/2001 | | 1468 | | bmh | SW 8260A | |
| | d8-Toluene(surr) | 96 | | % | 08/16/2001 | | 1468 | | bmh | SW 8260A | |
| | Bromofluorobenzene(surr) | 94 | | % | 08/16/2001 | | 1468 | | bmh | SW 8260A | |

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference | DATE/TIME TAKEN |
|------------|----------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | | |
| 700085 | SBI002:HMW-11D:S020040:505 | | | | | | | | | | 08/14/2001 08:00 |
| | Dry Weight | 93.1 | | % | 08/23/2001 | | 1483 | | mhg | SM 2540 G. | |
| | ICP NONAQUEOUS | Complete | | | 08/24/2001 | | 1249 | Complete | emd | SW 6010B | |
| | Arsenic, ICP | <14 | | mg/kg dw | 08/24/2001 | 907 | 2980 | <14 | emd | SW 6010B | |
| | Barium, ICP | 99.5 | | mg/kg dw | 08/23/2001 | 907 | 2906 | <1.4 | emd | SW 6010B | |
| | Cadmium, ICP | <2.1 | | mg/kg dw | 08/23/2001 | 907 | 2888 | <2.1 | emd | SW 6010B | |
| | Chromium, ICP | 11.4 | | mg/kg dw | 08/23/2001 | 907 | 2876 | <2.8 | emd | SW 6010B | |
| | Lead, ICP | 177 | | mg/kg dw | 08/23/2001 | 907 | 2877 | <5.6 | emd | SW 6010B | |
| | Mercury, CVAA | 0.159 | | mg/kg dw | 08/24/2001 | 613 | 631 | <0.009 | epk | SW 7471A | |
| | Selenium, ICP | <7.0 | | mg/kg dw | 08/23/2001 | 907 | 2955 | <7.0 | emd | SW 6010B | |
| | Silver, ICP | <2.8 | | mg/kg dw | 08/23/2001 | 907 | 2908 | <2.8 | emd | SW 6010B | |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700085 | SBI002:HMW-11D:S020040:505 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 08:00 |
| | m-Methyl-2-pentanone (MIBK) | <53.7 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <53.7 | bmh | SW 8260A |
| | n-Propylbenzene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | Styrene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | Naphthalene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | Tetrachloroethene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | Toluene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | Trichloroethene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | 1,3,5-Trimethylbenzene | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | Vinyl Acetate | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <2.1 | bmh | SW 8260A |
| | Xylenes, Total | <5.4 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.4 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 89 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | Dibromofluoromethane (surr) | 88 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | d8-Toluene (surr) | 94 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |
| | Bromofluorobenzene (surr) | 104 | | % | 08/16/2001 | 1468 | 1468 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700086 | SBI002:HMW21D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 09:30 |
| Dry Weight | 94.6 | | | † | 08/23/2001 | | 1483 | | mhg | SM 2540 G. |
| Prep, BNA Non-Aq | Complete | | | | 08/16/2001 | 949 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/23/2001 | 594 | | Complete | 110 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/16/2001 | | 1468 | Complete | bmh | |
| Acetone | <106 | | | ug/kg dw | 08/16/2001 | | 1468 | <106 | bmh | SW 8260A |
| Benzene | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| tert-Butylbenzene | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| sec-Butylbenzene | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| n-Butylbenzene | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Bromochloromethane | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Bromodichloromethane | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Bromoform | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Bromobenzene | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 2-Butanone (MEK) | <53 | | | ug/kg dw | 08/16/2001 | | 1468 | <53 | bmh | SW 8260A |
| Carbon disulfide | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Carbon tetrachloride | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Chlorobenzene | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Chloroethane | <10.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <10.6 | bmh | SW 8260A |
| 2-Chlorotoluene | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| 4-Chlorotoluene | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Chloroform | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |
| Chloromethane | <10.6 | | | ug/kg dw | 08/16/2001 | | 1468 | <10.6 | bmh | SW 8260A |
| Dibromochloromethane | <5.3 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700086 | SBI002:HMW21D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/13/2001.09:30 |
| | Bromomethane | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | Ethylbenzene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | n-Hexane | <21.1 | | ug/kg dw | 08/16/2001 | 1468 | | <21.1 | bmh | SW 8260A |
| | 2-Hexanone | <52.9 | | ug/kg dw | 08/16/2001 | 1468 | | <52.9 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.3 | | ug/kg dw | 08/16/2001 | 1468 | | <5.3 | bmh | SW 8260A |
| | Bromomethane | <10.6 | | ug/kg dw | 08/16/2001 | 1468 | | <10.6 | bmh | SW 8260A |
| | Methylene Chloride | <10.6 | | ug/kg dw | 08/16/2001 | 1468 | | <10.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference | DATE/TIME TAKEN |
|-------------------------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | | |
| 700086 | SBI002:HMW21D:S005020:428 | | | | | | | | | | 08/13/2001 09:30 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | | |
| | Acenaphthene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Acenaphthylene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Anthracene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Benzo(a)anthracene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Benzo(b)fluoranthene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Benzo(k)fluoranthene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Benzo(a)pyrene | <174 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <174 | dmg | SW 8270C | |
| | Benzyl alcohol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Benzyl butyl phthalate | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Bis(2-chloroethyl)ether | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Bis(2-chloroethoxy)methane | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Bis(2-ethylhexyl)phthalate | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | 2,2'-oxybis(1-Chloropropane) | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | 4-Bromophenyl phenyl ether | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | 4-Chloroaniline | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | 2-Chloronaphthalene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Chrysene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | Dibenzo(a,h)anthracene | <174 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <174 | dmg | SW 8270C | |
| | Dibenzofuran | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | 1,2-Dichlorobenzene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | 1,3-Dichlorobenzene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | 1,4-Dichlorobenzene | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |
| | 3,3'-Dichlorobenzidine | <698 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <698 | dmg | SW 8270C | |
| | Diethyl phthalate | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700086 | SBI002:HMW21D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 09:30 |
| Dimethyl phthalate | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Di-n-octylphthalate | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Fluoranthene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Fluorene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Hexachlorobenzene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <698 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <698 | dmg | SW 8270C |
| Hexachloroethane | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Isophorone | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Naphthalene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Nitrobenzene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Phenanthrene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Pyrene | | <349 | MS | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 82 | | † | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 91 | | † | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 94 | | † | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,740 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <1,740 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700086 | SBI002:HMW21D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/13/2001 09:30 |
| | Chlorophenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | 2,4-Dichlorophenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | 2,4-Dimethylphenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | 2-Methylphenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | meta & para-Methylphenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | 2-Nitrophenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | Pentachlorophenol | <349 | SS | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | Phenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | 2,4,5-Trichlorophenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | 2,4,6-Trichlorophenol | <349 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <349 | dmg | SW 8270C |
| | Surrogate: d6-Phenol | 71 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorophenol | 51 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| | Surrogate: Tribromophenol | 28 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| | TPH - FTIR Non-aq | 64 | | mg/kg dw | 08/23/2001 | 594 | 626 | <53 | 110 | 418.1 |

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|---------------------------|----------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| 700087 | SBI002:HMW12S:S005020:428 | | | | | | | | | | 08/14/2001 08:00 |
| | Dry Weight | 88.8 | | % | 08/23/2001 | | 1483 | | mhg | SM 2540 G. | |
| | ICP NONAQUEOUS | Complete | | | 08/23/2001 | | 1245 | Complete | emd | SW 6010B | |
| | Arsenic, ICP | <7.4 | | mg/kg dw | 08/23/2001 | 907 | 2975 | <7.4 | emd | SW 6010B | |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700087 | SBI002:HMW12S:S005020:428 | | | | | | | | | |
| | Barium, ICP | 176 | | mg/kg dw | 08/23/2001 | 907 | 2906 | <0.74 | emd | SW 6010B |
| | Cadmium, ICP | <1.1 | | mg/kg dw | 08/23/2001 | 907 | 2888 | <1.1 | emd | SW 6010B |
| | Chromium, ICP | 6.4 | | mg/kg dw | 08/23/2001 | 907 | 2876 | <1.5 | emd | SW 6010B |
| | Lead, ICP | 241 | | mg/kg dw | 08/23/2001 | 907 | 2877 | <2.9 | emd | SW 6010B |
| | Mercury, CVAA | 0.089 | | mg/kg dw | 08/24/2001 | 613 | 631 | <0.009 | epk | SW 7471A |
| | Selenium, ICP | <3.7 | | mg/kg dw | 08/23/2001 | 907 | 2955 | <3.7 | emd | SW 6010B |
| | Silver, ICP | <1.5 | | mg/kg dw | 08/23/2001 | 907 | 2908 | <1.5 | emd | SW 6010B |
| | ICP Digestion, Nonaqueous | Complete | | | 08/22/2001 | 907 | | Complete | mrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| | 8260 - SW846 (Non-aq) | Complete | | | 08/16/2001 | | 1468 | Complete | bmh | |
| | Acetone | <113 | | ug/kg dw | 08/16/2001 | | 1468 | <113 | bmh | SW 8260A |
| | Benzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | tert-Butylbenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | sec-Butylbenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | n-Butylbenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Bromochloromethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Bromodichloromethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Bromoform | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Bromobenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 2-Butanone (MEK) | <56 | | ug/kg dw | 08/16/2001 | | 1468 | <56 | bmh | SW 8260A |
| | Carbon disulfide | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Carbon tetrachloride | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Chlorobenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |

ANALYTICAL REPORT

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 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700087 | SBI002:HMW12S:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 08:00 |
| | Chloroethane | <11.3 | | ug/kg dw | 08/16/2001 | | 1468 | <11.3 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 4-Chlorotoluene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Chloroform | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Chloromethane | <11.3 | | ug/kg dw | 08/16/2001 | | 1468 | <11.3 | bmh | SW 8260A |
| | Dibromochloromethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Dibromomethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Ethylbenzene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |

ANALYTICAL REPORT

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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700087 | SBI002:HMW12S:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 08:00 |
| n-Hexane | | <22.5 | | ug/kg dw | 08/16/2001 | | 1468 | <22.5 | bmh | SW 8260A |
| 2-Hexanone | | <56.3 | | ug/kg dw | 08/16/2001 | | 1468 | <56.3 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Bromomethane | | <11.3 | | ug/kg dw | 08/16/2001 | | 1468 | <11.3 | bmh | SW 8260A |
| Methylene Chloride | | <11.3 | | ug/kg dw | 08/16/2001 | | 1468 | <11.3 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <56.3 | | ug/kg dw | 08/16/2001 | | 1468 | <56.3 | bmh | SW 8260A |
| n-Propylbenzene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Styrene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Naphthalene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Tetrachloroethene | | 19.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Toluene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Trichloroethene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Vinyl Acetate | | <5.6 | | ug/kg dw | 08/16/2001 | | 1468 | <5.6 | bmh | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/16/2001 | | 1468 | <2.3 | bmh | SW 8260A |

ANALYTICAL REPORT

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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700087 | SBI002:HMW12S:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 08:00 |
| | Phenenes, Total | <5.6 | | ug/kg dw | 08/16/2001 | | | 1468 | <5.6 | bmh SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 90 | | % | 08/16/2001 | | | 1468 | | bmh SW 8260A |
| | Dibromofluoromethane (surr) | 94 | | % | 08/16/2001 | | | 1468 | | bmh SW 8260A |
| | d8-Toluene (surr) | 96 | | % | 08/16/2001 | | | 1468 | | bmh SW 8260A |
| | Bromofluorobenzene (surr) | 100 | | % | 08/16/2001 | | | 1468 | | bmh SW 8260A |
| | TPH - GRO (Non-Aqueous) | <6 | ss | mg/kg dw | 08/16/2001 | | | 247 | <6 | meh SW 8015M |
| 700088 | SBI002:FB-1:W081401:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 17:40 |
| | ICPMS TOTAL METALS | Complete | | | 08/27/2001 | | | 2475 | Complete | ekh SW 6020 |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 08/27/2001 | 1810 | 3582 | <0.0050 | | ekh SW 6020 |
| | Barium, ICPMS | <0.0050 | | mg/L | 08/27/2001 | 1810 | 3791 | <0.0050 | | ekh SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 08/27/2001 | 1810 | 3461 | <0.0010 | | ekh SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 08/27/2001 | 1810 | 3848 | <0.0050 | | ekh SW 6020 |
| | Lead, ICPMS | <0.0010 | | mg/L | 08/27/2001 | 1810 | 3539 | <0.0010 | | ekh SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 08/21/2001 | 1372 | 1313 | <0.0002 | | epk SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 08/20/2001 | 732 | 556 | <0.0050 | | lnh SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 08/27/2001 | 1810 | 3793 | <0.0005 | | ekh SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 08/23/2001 | 1810 | | Complete | | clm SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 08/20/2001 | 732 | | Complete | | clm SW 3020A |
| | Manual Mercury Digestion | Complete | | | 08/20/2001 | 1372 | | Complete | | clm SW 7470A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700088 | SBI002:FB-1:W081401:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 17:40 |
| Prep, Base Neutral | Complete | | | | 08/15/2001 | 1256 | | Complete | rec | EPA 625 ; SW 3510C ; SW 3520C |
| Prep, Acid Extractable | Complete | | | | 08/15/2001 | 1256 | | Complete | rec | EPA 625 ; SW 3510C ; SW 3520C |
| Prep, PCBs Aqueous 8082 | Complete | | | | 08/15/2001 | 56 | | Complete | rec | SW 3510C; SW 3520C |
| Prep, TPH - 418.1 aq | COMPLETE | | | | 08/24/2001 | 596 | | Complete | 110 | EPA 418.1 |
| Prep, TPH DRO Aqueous | Complete | | | | 08/16/2001 | 117 | | Complete | rec | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/15/2001 | 3488 | | Complete | mrh | |
| Acetone | <20.0 | | ug/L | | 08/15/2001 | 3488 | | <20.0 | mrh | SW 8260A |
| Benzene | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| tert-Butylbenzene | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| sec-Butylbenzene | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| n-Butylbenzene | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| Bromochloromethane | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| Bromodichloromethane | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| Bromoform | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| Bromobenzene | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| 2-Butanone (MEK) | <12.5 | | ug/L | | 08/15/2001 | 3488 | | <12.5 | mrh | SW 8260A |
| Carbon disulfide | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| Carbon tetrachloride | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| Chlorobenzene | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| Chloroethane | <5.0 | | ug/L | | 08/15/2001 | 3488 | | <5.0 | mrh | SW 8260A |
| 2-Chlorotoluene | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| 4-Chlorotoluene | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |
| Chloroform | <1.0 | | ug/L | | 08/15/2001 | 3488 | | <1.0 | mrh | SW 8260A |

ANALYTICAL REPORT

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 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700088 | SBI002:FB-1:W081401:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 17:40 |
| Bromomethane | | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| Methylene Chloride | | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 08/15/2001 | 3488 | 3488 | <12.5 | mrh | SW 8260A |
| n-Propylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| Styrene | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| Naphthalene | | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 100 | | % | 08/15/2001 | 3488 | 3488 | | mrh | SW 8260A |
| Dibromofluoromethane (surr) | | 98 | | % | 08/15/2001 | 3488 | 3488 | | mrh | SW 8260A |
| d8-Toluene (surr) | | 99 | | % | 08/15/2001 | 3488 | 3488 | | mrh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700088 | SBI002:FB-1:W081401:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 17:40 |
| | omofluorobenzene (surr) | 103 | | * | 08/15/2001 | | 3488 | | mrh | SW 8260A |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Anthracene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Chrysene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |

ANALYTICAL REPORT

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08/29/2001

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700088 | SBI002:FB-1:W081401:412 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 17:40 |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 08/23/2001 | 1256 | 2661 | <50 | jcs | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Fluorene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 08/23/2001 | 1256 | 2661 | <20 | jcs | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Isophorone | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Naphthalene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Pyrene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 08/23/2001 | 1256 | 2661 | <10 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 76 | | % | 08/23/2001 | 1256 | 2661 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 78 | | % | 08/23/2001 | 1256 | 2661 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 82 | | % | 08/23/2001 | 1256 | 2661 | | jcs | SW 8270C |

ACID COMPOUNDS (AQ) 8270

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference | DATE/TIME TAKEN |
|-------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | | |
| 700088 | SBI002:FB-1:W081401:412 | | | | | | | | | | 08/14/2001 17:40 |
| TPH - DRO AQUEOUS | | <1 | | mg/L | 08/17/2001 | 117 | 202 | <1 | meb | SW 8015M | |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 08/22/2001 | | 80 | <1 | rrs | SW 8015M | |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 08/24/2001 | 596 | 715 | <0.2 | 110 | EPA 418.1 | |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

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Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|---------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700089 | SBI002:TB-1:W081401 | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 08/15/2001 | 3488 | Complete | | mrh | |
| Acetone | | <20.0 | | ug/L | 08/15/2001 | 3488 | <20.0 | | mrh | SW 8260A |
| Benzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| tert-Butylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| sec-Butylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| n-Butylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Bromochloromethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Bromodichloromethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Bromoform | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Bromobenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 08/15/2001 | 3488 | <12.5 | | mrh | SW 8260A |
| Carbon disulfide | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Carbon tetrachloride | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Chlorobenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Chloroethane | | <5.0 | | ug/L | 08/15/2001 | 3488 | <5.0 | | mrh | SW 8260A |
| 2-Chlorotoluene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| 4-Chlorotoluene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Chloroform | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Chloromethane | | <5.0 | | ug/L | 08/15/2001 | 3488 | <5.0 | | mrh | SW 8260A |
| Dibromochloromethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Dibromomethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 08/15/2001 | 3488 | <5.0 | | mrh | SW 8260A |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | | mrh | SW 8260A |

DATE/TIME TAKEN
 08/14/2001

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|-----------------------------|---------------------|--------|------|-------|---------------|--------------|--------------|-------------------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 700089 | SBI002:TB-1:W081401 | | | | | | | | DATE/TIME TAKEN 08/14/2001 |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| Ethylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| Hexachlorobutadiene | | <5.0 | | ug/L | 08/15/2001 | 3488 | <5.0 | mrh | SW 8260A |
| n-Hexane | | <5.0 | | ug/L | 08/15/2001 | 3488 | <5.0 | mrh | SW 8260A |
| 2-Hexanone | | <12.5 | | ug/L | 08/15/2001 | 3488 | <12.5 | mrh | SW 8260A |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| p-Isopropyltoluene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| Bromomethane | | <5.0 | | ug/L | 08/15/2001 | 3488 | <5.0 | mrh | SW 8260A |
| Methylene Chloride | | <5.0 | | ug/L | 08/15/2001 | 3488 | <5.0 | mrh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 08/15/2001 | 3488 | <5.0 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 08/15/2001 | 3488 | <12.5 | mrh | SW 8260A |
| n-Propylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |
| Styrene | | <1.0 | | ug/L | 08/15/2001 | 3488 | <1.0 | mrh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700089 | SBI002:TB-1:W081401 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 |
| | Phthalene | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | Tetrachloroethene | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | Toluene | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | Trichloroethene | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | Trichlorofluoromethane | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | Vinyl Acetate | <5.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <5.0 | mrh | SW 8260A |
| | Vinyl Chloride | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | Xylenes | <1.0 | | ug/L | 08/15/2001 | 3488 | 3488 | <1.0 | mrh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 99 | | % | 08/15/2001 | 3488 | 3488 | | mrh | SW 8260A |
| | Dibromofluoromethane (surr) | 98 | | % | 08/15/2001 | 3488 | 3488 | | mrh | SW 8260A |
| | d8-Toluene (surr) | 101 | | % | 08/15/2001 | 3488 | 3488 | | mrh | SW 8260A |
| | Bromofluorobenzene (surr) | 104 | | % | 08/15/2001 | 3488 | 3488 | | mrh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700090 | SBI002:HMW25S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 09:40 |
| Dry Weight | 91.0 | | | % | 08/23/2001 | | 1483 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/27/2001 | | 1250 | Complete | emd | SW 6010B |
| Arsenic, ICP | <10 | | | mg/kg dw | 08/23/2001 | 907 | 2975 | <10 | emd | SW 6010B |
| Barium, ICP | 5.9 | | | mg/kg dw | 08/23/2001 | 907 | 2906 | <2.1 | emd | SW 6010B |
| Cadmium, ICP | <3.2 | | | mg/kg dw | 08/23/2001 | 907 | 2888 | <3.2 | emd | SW 6010B |
| Chromium, ICP | <5.6 | | | mg/kg dw | 08/27/2001 | 907 | 2882 | <5.6 | emd | SW 6010B |
| Lead, ICP | <8.4 | | | mg/kg dw | 08/23/2001 | 907 | 2877 | <8.4 | emd | SW 6010B |
| Mercury, CVAA | <0.009 | | | mg/kg dw | 08/24/2001 | 613 | 631 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <10 | | | mg/kg dw | 08/23/2001 | 907 | 2955 | <10 | emd | SW 6010B |
| Silver, ICP | <4.2 | | | mg/kg dw | 08/23/2001 | 907 | 2908 | <4.2 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/22/2001 | 907 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A |
| Prep, PCBs Non-Aq 8082 | Complete | | | | 08/20/2001 | 105 | | Complete | lmc | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | | 08/16/2001 | 949 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/23/2001 | 594 | | Complete | 110 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/16/2001 | | 1468 | Complete | bmh | |
| Acetone | <110 | | | ug/kg dw | 08/16/2001 | | 1468 | <110 | bmh | SW 8260A |
| Benzene | <5.5 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| tert-Butylbenzene | <5.5 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| sec-Butylbenzene | <5.5 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| n-Butylbenzene | <5.5 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Bromochloromethane | <5.5 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |
| Bromodichloromethane | <5.5 | | | ug/kg dw | 08/16/2001 | | 1468 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700090 | SBI002:HMW25S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 09:40 |
| | Bromoform | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | Bromobenzene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 2-Butanone (MEK) | <55 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <55 | bmh | SW 8260A |
| | Carbon disulfide | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | Carbon tetrachloride | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | Chlorobenzene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | Chloroethane | <11.0 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.0 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 4-Chlorotoluene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | Chloroform | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | Chloromethane | <11.0 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.0 | bmh | SW 8260A |
| | Dibromochloromethane | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | Dibromomethane | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700090 | SBI002:HMW25S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 09:40 |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| 1,1-Dichloropropane | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| Ethylbenzene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| n-Hexane | | <22.0 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <22.0 | bmh | SW 8260A |
| 2-Hexanone | | <54.9 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <54.9 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| Bromomethane | | <11.0 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.0 | bmh | SW 8260A |
| Methylene Chloride | | <11.0 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <11.0 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <54.9 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <54.9 | bmh | SW 8260A |
| n-Propylbenzene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| Styrene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| Naphthalene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| Tetrachloroethene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| Toluene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |
| Trichloroethene | | <5.5 | | ug/kg dw | 08/16/2001 | 1468 | 1468 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700090 | SBI002:HMW25S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 09:40 |
| | 2,2'-oxybis(1-Chloropropane) | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 4-Chloroaniline | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Chrysene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <181 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <181 | dmg | SW 8270C |
| | Dibenzofuran | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <725 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <725 | dmg | SW 8270C |
| | Diethyl phthalate | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Dimethyl phthalate | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Di-n-octylphthalate | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Fluoranthene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Fluorene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Hexachlorobenzene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <725 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <725 | dmg | SW 8270C |
| | Hexachloroethane | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Isophorone | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Naphthalene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |

ANALYTICAL REPORT

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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700090 | SBI002:HMW25S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 09:40 |
| | Nitrobenzene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | N-Nitrosodi-n-propylamine | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Phenanthrene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Pyrene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 1,2,4-Trichlorobenzene | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 73 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 80 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| | Surrogate: d14-Terphenyl | 92 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,810 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <1,810 | dmg | SW 8270C |
| | 4-Chloro-3-methylphenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2-Chlorophenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2,4-Dichlorophenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2,4-Dimethylphenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2-Methylphenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | meta & para-Methylphenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2-Nitrophenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Pentachlorophenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Phenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2,4,5-Trichlorophenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | 2,4,6-Trichlorophenol | <363 | | ug/kg dw | 08/20/2001 | 949 | 1465 | <363 | dmg | SW 8270C |
| | Surrogate: d6-Phenol | 66 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorophenol | 58 | | % | 08/20/2001 | 949 | 1465 | | dmg | SW 8270C |

ANALYTICAL REPORT

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08/29/2001

Job Number: 01.14706

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700090 | SBI002:HMW25S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/10/2001 09:40 |
| Surrogate: Tribromophenol | | 79 | | ‡ | 08/20/2001 | 949 | 1465 | | | dmg SW 8270C |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | | <0.55 | | mg/kg dw | 08/20/2001 | 105 | 187 | <0.55 | jdc | SW 8082 |
| Aroclor 1221 | | <0.55 | | mg/kg dw | 08/20/2001 | 105 | 187 | <0.55 | jdc | SW 8082 |
| Aroclor 1232 | | <0.55 | | mg/kg dw | 08/20/2001 | 105 | 187 | <0.55 | jdc | SW 8082 |
| Aroclor 1242 | | <0.55 | | mg/kg dw | 08/20/2001 | 105 | 187 | <0.55 | jdc | SW 8082 |
| Aroclor 1248 | | <0.55 | | mg/kg dw | 08/20/2001 | 105 | 187 | <0.55 | jdc | SW 8082 |
| Aroclor 1254 | | <0.55 | | mg/kg dw | 08/20/2001 | 105 | 187 | <0.55 | jdc | SW 8082 |
| Aroclor 1260 | | <0.55 | | mg/kg dw | 08/20/2001 | 105 | 187 | <0.55 | jdc | SW 8082 |
| Surrogate:TCX/DCB | | 81/82 | | ‡ | 08/20/2001 | 105 | 187 | | jdc | SW 8082 |
| TPH - FTIR Non-aq | | <55 | | mg/kg dw | 08/23/2001 | 594 | 626 | <55 | 110 | 418.1 |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.14706

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.14706

Sample Number: 700080

Analysis: 8260 - Volatiles

Elevated reporting limits due to dilution for matrix interference.

Sample Number:700078

Analysis:8082 Soil Pcbs

The MB ,for this sample was accidently spiked with the LCS spike instead of the Surrogate spike. No Arochlors, above the reporting limits,were detected in the sample.

Sample Number: 700082

Analysis: 8270 soils

Recovery of acid surrogate 2-Fluorophenol was below the recommended 25-127% range. Surrogate recoveries for the remaining five surrogates were in control.

NOTES AND COMMENTS

TestAmerica Job Number: 1.14706

Sample Number: 700080

Analysis: 8260 - Volatiles

Elevated reporting limits due to dilution for matrix interference.

Sample Number: 700078

Analysis: 8082 Soil Pcb's

The MB, for this sample was accidentally spiked with the LCS spike instead of the Surrogate spike. No Arochlors, above the reporting limits, were detected in the sample.

Sample Number: 700082

Analysis: 8270 soils

Recovery of acid surrogate 2-Fluorophenol was below the recommended 25-127% range. Surrogate recoveries for the remaining five surrogates were in control.

Sample Number: 700080, 700081

Analysis: 8270 soils

Due to matrix interference, recovery of internal standard d12-Perylene was below the recommended 50-200% range. Results reported for the following compounds should be considered estimates due to the compromised internal standard result: Benzo(k)fluoranthene, Indeno(1,2,3-c,d)pyrene, and Dibenz(a,h)anthracene.

700077-90 14706

PAGE 1 OF 1

CHAIN OF CUSTODY RECORD

NO. 5326



Hull & Associates, Inc.

Dublin
6130 Wilcox Road
Dublin, Ohio 43016
Phone: (614)385-8777
FAX: (614)385-9070

Toledo
3401 Glendale Avenue
SUITE 300
Toledo, Ohio 43614
Phone: (419)385-2018
FAX: (419)385-5489

Mason
4700 Duke Drive, Suite 172
Mason, Ohio 45040-9677
Phone: (513)459-8677
FAX: (513)459-9689

Warrensville Heights
4949 Galaxy Parkway, Suite S
Warrensville Heights, Ohio 44128
Phone: (216)514-7100
FAX: (216)514-7104

REPORT TO: KEVIN WILDMAN

Client: South Bend
Site: Area A
Project#: SB1002 Phase: 01.TST
Samplers: M. Coon FAE

- SAMPLE TYPES**
A - ASBESTOS
B - SEDIMENT
C - RAINWATER
D - PRODUCT
E - SOIL
F - WATER
G - OTHERS
All samples are kept at 4°C.
- PRESERVATIVES**
A - Cool only, <4°C
B - HNO₃ pH<2
C - H₂SO₄ pH<2
D - NaOH pH>12
E - Zinc acetate + NaOH, pH>9
F - Na₂S₂O₅ (0.008%)
G - HCl, pH <2
- METALS**
M - NOT FILTERED
N - BOTH
B - BOTH

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | SAMPLING DATE/TIME | PRESERVATIVES | METALS | ANALYSES | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------------------|---------------|--------|-----------|----------|
| SB1002 | GB-36 | S000020 | 412 | 1 | 8/10/01 11:12 | | ✓ | TPH GB-36 | |
| SB1002 | GB-11 | S000015 | 412 | 4 | 8/10/01 11:33 | | ✓ | TPH GB-11 | |
| SB1002 | Hmw25s | S010025 | 412 | 4 | 8/10/01 8:15 | | ✓ | TPH GB-11 | |
| SB1002 | Hmw25s | S210230 | 412 | 3 | 8/10/01 9:40 | | ✓ | TPH GB-11 | |
| SB1002 | Hmw27s | S000015 | 412 | 4 | 8/15/01 1:05 | | ✓ | TPH GB-11 | |
| SB1002 | Hmw18s | S000010 | 412 | 3 | 8/14/01 4:53 | | ✓ | TPH GB-11 | |
| SB1002 | Hmw18s | S230250 | 412 | 3 | 8/14/01 9:25 | | ✓ | TPH GB-11 | |
| SB1002 | Hmw34s | S000010 | 412 | 3 | 8/14/01 11:36 | | ✓ | TPH GB-11 | |
| SB1002 | FB-1 | W081401 | 412 | 11 | 8/14/01 14:40 | | ✓ | TPH GB-11 | |
| SB1002 | TB-1 | W081401 | 412 | 3 | 8/14/01 | | ✓ | TPH GB-11 | |

RELINQUISHED BY: McNeil DATE: 8-14-01 TIME: 1440

RECEIVED BY: Fed Ex DATE: 8-14-01 TIME: 1440

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: 8-15-01 TIME: 1000

COOLER TEMPERATURE AS RECEIVED °C: 2

Deliver To: Samples Receiving

Method of Delivery: Fed Ex

Airbill Number: 82265968017

NOTES: _____

TURN AROUND TIME: STANDARD DAYS

SBI002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.15083


Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 701236 | SBI002:HMW9I:S005020:428 | 08/20/2001 | 08/21/2001 |
| 701237 | SBI002:TB1:W082001:428 | 08/20/2001 | 08/21/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.15083

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 701236 | SBI002:HMW9I:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/20/2001 10:15 |
| Dry Weight | | 88.7 | | g | 08/27/2001 | | 1485 | | mhg | SM 2540 G. |
| Prep, BNA Non-Aq | | Complete | | | 08/21/2001 | 952 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/22/2001 | | 1478 | Complete | dmg | |
| Acetone | | <113 | | ug/kg dw | 08/22/2001 | | 1478 | <113 | dmg | SW 8260A |
| Benzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| tert-Butylbenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| sec-Butylbenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| n-Butylbenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Bromochloromethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Bromodichloromethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Bromoform | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Bromobenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 2-Butanone (MEK) | | <56 | | ug/kg dw | 08/22/2001 | | 1478 | <56 | dmg | SW 8260A |
| Carbon disulfide | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Carbon tetrachloride | | 158 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Chlorobenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Chloroethane | | <11.3 | | ug/kg dw | 08/22/2001 | | 1478 | <11.3 | dmg | SW 8260A |
| 2-Chlorotoluene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 4-Chlorotoluene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Chloroform | | 45.5 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Chloromethane | | <11.3 | | ug/kg dw | 08/22/2001 | | 1478 | <11.3 | dmg | SW 8260A |
| Dibromochloromethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Dibromomethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.15083

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 701236 | SBI002:HMW9I:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/20/2001 10:15 |
| Dichlorodifluoromethane | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,2-Dibromo-3-chloropropane | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,2-Dichlorobenzene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,3-Dichlorobenzene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,4-Dichlorobenzene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,1-Dichloroethane | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,2-Dichloroethane | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,1-Dichloroethene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| cis-1,2-Dichloroethene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| trans-1,2-Dichloroethene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,2-Dichloropropane | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,3-Dichloropropane | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 2,2-Dichloropropane | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| 1,1-Dichloropropene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| cis-1,3-Dichloropropene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| trans-1,3-Dichloropropene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| Ethylbenzene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| Hexachlorobutadiene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| n-Hexane | <22.5 | ug/kg | dw | 08/22/2001 | 1478 | <22.5 | dmg | SW 8260A | | |
| 2-Hexanone | <56.4 | ug/kg | dw | 08/22/2001 | 1478 | <56.4 | dmg | SW 8260A | | |
| Isopropylbenzene (Cumene) | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| p-Isopropyltoluene | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |
| Bromomethane | <11.3 | ug/kg | dw | 08/22/2001 | 1478 | <11.3 | dmg | SW 8260A | | |
| Methylene Chloride | <11.3 | ug/kg | dw | 08/22/2001 | 1478 | <11.3 | dmg | SW 8260A | | |
| Methyl t-butyl ether (MTBE) | <5.6 | ug/kg | dw | 08/22/2001 | 1478 | <5.6 | dmg | SW 8260A | | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.15083

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 701236 | SBI002:HMW9I:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/20/2001 10:15 |
| 4-Methyl-2-pentanone (MIBK) | | <56.4 | | ug/kg dw | 08/22/2001 | | 1478 | <56.4 | dmg | SW 8260A |
| n-Propylbenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Styrene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Naphthalene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Tetrachloroethene | | 4,740 | | ug/kg dw | 08/23/2001 | | 1482 | <282 | eap | SW 8260A |
| Toluene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 1,1,1-Trichloroethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 1,1,2-Trichloroethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Trichloroethene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Trichlorofluoromethane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 1,2,3-Trichloropropane | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Vinyl Acetate | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/22/2001 | | 1478 | <2.3 | dmg | SW 8260A |
| Xylenes, Total | | <5.6 | | ug/kg dw | 08/22/2001 | | 1478 | <5.6 | dmg | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 104 | | % | 08/22/2001 | | 1478 | | dmg | SW 8260A |
| Dibromofluoromethane (surr) | | 105 | | % | 08/22/2001 | | 1478 | | dmg | SW 8260A |
| d8-Toluene (surr) | | 116 | | % | 08/22/2001 | | 1478 | | dmg | SW 8260A |
| Bromofluorobenzene (surr) | | 126 | Note | % | 08/22/2001 | | 1478 | | dmg | SW 8260A |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.15083

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Limit | Initials | Method | Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------|----------|--------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Number | | | | |
| 701236 | SBI002:HMW9I:S005020:428 | | | | | | | | | | | | DATE/TIME TAKEN 08/20/2001 10:15 |
| | naphthene | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Acenaphthylene | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Anthracene | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Benzo(a)anthracene | 746 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Benzo(b)fluoranthene | 989 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Benzo(k)fluoranthene | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Benzo(a)pyrene | 613 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <186 | jr | SW | 8270C | | |
| | Benzyl alcohol | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Benzyl butyl phthalate | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Bis(2-chloroethyl) ether | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Bis(2-chloroethoxy) methane | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Bis(2-ethylhexyl) phthalate | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | 2,2'-oxybis(1-Chloropropane) | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | 4-Bromophenyl phenyl ether | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | 4-Chloroaniline | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | 2-Chloronaphthalene | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Chrysene | 743 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Dibenzo(a,h)anthracene | <186 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <186 | jr | SW | 8270C | | |
| | Dibenzofuran | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | 1,2-Dichlorobenzene | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | 1,3-Dichlorobenzene | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | 1,4-Dichlorobenzene | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | 3,3'-Dichlorobenzidine | <744 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <744 | jr | SW | 8270C | | |
| | Diethyl phthalate | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |
| | Dimethyl phthalate | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jr | SW | 8270C | | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.15083

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 701236 | SBI002:HMW9I:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/20/2001 10:15 |
| 2,4-Dichlorophenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| 2-Methylphenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| meta & para-Methylphenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| 2-Nitrophenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| Pentachlorophenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| Phenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <372 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <372 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 46 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 33 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 51 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| TPH - GRO (Non-Aqueous) | | <6 | | mg/kg dw | 08/23/2001 | | 248 | <6 | meb | SW 8015M |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.15083

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 701237 | SBI002:TB1:W082001:428 | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/22/2001 | | 3513 | Complete | eap | |
| Acetone | <20.0 | ug/L | | | 08/22/2001 | | 3513 | <20.0 | eap | SW 8260A |
| Benzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| tert-Butylbenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| sec-Butylbenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| n-Butylbenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromochloromethane | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromodichloromethane | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromoform | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromobenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 08/22/2001 | | 3513 | <12.5 | eap | SW 8260A |
| Carbon disulfide | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Carbon tetrachloride | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chlorobenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloroethane | <5.0 | ug/L | | | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 2-Chlorotoluene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 4-Chlorotoluene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloroform | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloromethane | <5.0 | ug/L | | | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| Dibromochloromethane | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Dibromomethane | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |

DATE/TIME TAKEN
 08/20/2001

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.15083

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 701237 | SBI002:TB1:W082001:428 | | | | | | | | | DATE/TIME TAKEN 08/20/2001 |
| Naphthalene | | <5.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <5.0 | eap | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <5.0 | eap | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <5.0 | eap | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <5.0 | eap | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 105 | | % | 08/22/2001 | 3513 | 3513 | | eap | SW 8260A |
| Dibromofluoromethane (surr) | | 105 | | % | 08/22/2001 | 3513 | 3513 | | eap | SW 8260A |
| d8-Toluene (surr) | | 92 | | % | 08/22/2001 | 3513 | 3513 | | eap | SW 8260A |
| Bromofluorobenzene (surr) | | 97 | | % | 08/22/2001 | 3513 | 3513 | | eap | SW 8260A |

QUALITY CONTROL FLAG DEFINITIONS

PAGE 11 of 12

Job Number: 01.15083

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.15083

Sample Number: 701236

Analysis: 8260 soil

Recovery of internal standard 1,4-Dichlorobenzene-d4 was below the recommended 50-200% range. Results were confirmed with a replicate analysis. No detections were reported from this run.



Hull &
Associates, Inc.

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1
NO. **5334**

Dublin
 6130 Wilcox Road
 Dublin, OH 43016
 Phone: (614)385-8777
 Fax: (614)385-9070
 Toledo
 3401 Granddole Avenue
 SUITE 300
 Toledo, Ohio 43614
 Phone: (419)385-2018
 Fax: (419)385-5489
 Mason
 4700 Duke Drive, Suite 172
 Mason, OH 45040
 Phone: (513)459-9877
 Fax: (513)459-9889
 Worcesaville Heights
 4949 Galaxy Parkway, Suite 5
 Worcesaville Heights, Ohio 44128
 Phone: (216)514-7100
 Fax: (216)514-7104

REPORT TO: KEVIN WILSON

Client: SETH BEUD
 Site: Ave 8 A
 Project#: SB1002 Phase: 01-TS-
 Samplers: RTH

SAMPLE TYPES
 A AIR
 C SEMISTOS
 D GROUNDWATER
 P PRODUCT
 S SOIL
 W WATER
 Z OTHERS
All samples are kept at 4°C.

PRESERVATIVES
 A Cool only, <4° C
 B HNO₃ pH<2
 C H₂SO₄ pH<2
 D NaOH pH>12
 E Zincacetate + NaOH, pH>8
 F Na₂S₂O₄(0.008%)
 G - hcl, PH <2

METALS
 F - FILTERED
 C - FILTERED
 B - BOTH

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF CONT. | METALS | SAMPLING DATE/TIME | PRESERVATIVES | METALS | ANALYSES | COMMENTS |
|-------------|-----------------|-------------|------------|--------------|--------|--------------------|---------------|--------|----------|----------|
| SB1002 | HTWMI: SWS02 | | 4228 | 3 | - | 8/20/01 | | | | |
| SB1002 | TB1 | WBS001 | | 3 | - | | | | | |
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RELINQUISHED BY: [Signature] DATE: 8-20-01 TIME: 17-45-
 RECEIVED BY: [Signature] DATE: 8-20-01 TIME: 17-45-
 RELINQUISHED BY: [Signature] DATE: 8-20-01 TIME: 18-30-
 RECEIVED BY: [Signature] DATE: 8-20-01 TIME: 18-30-
 RELINQUISHED BY: [Signature] DATE: 8-21-01 TIME: 09:45
 RECEIVED BY: [Signature] DATE: 8-21-01 TIME: 09:45

COOLER TEMPERATURE AS RECEIVED °C: 5

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

Deliver To: Test America
 Method of Delivery: EX
 Airbill Number: 8262652683418

NOTES: Please check trap using trap
Blank
 TURN AROUND TIME: 57 DAYS

701250-15083

)

)

)

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|-----------------------------|-------------------|----------------------|
| 700405 | SBI001:HMW-14S:S010015:412 | 08/15/2001 | 08/16/2001 |
| 700406 | SBI001:HMW-14SD:S010015:412 | 08/15/2001 | 08/16/2001 |
| 700407 | SBI001:HMW-14S:S040050:412 | 08/15/2001 | 08/16/2001 |
| 700408 | SBI001:HMW-14S:S190210:412 | 08/15/2001 | 08/16/2001 |
| 700409 | SBI001:HMW-14S:S210230:412 | 08/15/2001 | 08/16/2001 |
| 700410 | SBI002:HMW-9D:S000020:505 | 08/15/2001 | 08/16/2001 |
| 700411 | SBI002:HMW-9DD:S000020:505 | 08/15/2001 | 08/16/2001 |
| 700412 | SBI002:FB1:W081501:505 | 08/15/2001 | 08/16/2001 |
| 700413 | SBI002:TB1:W081501 | 08/15/2001 | 08/16/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|----------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700405 | SBI001:HMW-14S:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| Dry Weight | | 93.3 | | % | 08/24/2001 | | 1484 | | mhg | SM 2540 G. |
| Prep, PCBs Non-Aq 8082 | | Complete | | | 08/20/2001 | 105 | | Complete | lmc | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | | Complete | | | 08/21/2001 | 952 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | | COMPLETE | | | 08/21/2001 | 595 | | Complete | sub | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/17/2001 | | 1471 | Complete | bmh | |
| Acetone | | <107 | | ug/kg dw | 08/17/2001 | | 1471 | <107 | bmh | SW 8260A |
| Benzene | | <5.4 | ms | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| n-Butylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromochloromethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromodichloromethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromoform | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <54 | | ug/kg dw | 08/17/2001 | | 1471 | <54 | bmh | SW 8260A |
| Carbon disulfide | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Chlorobenzene | | <5.4 | ss | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Chloroethane | | <10.7 | | ug/kg dw | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Chloroform | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Chloromethane | | <10.7 | | ug/kg dw | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700405 | SBI001:HMW-14S:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| Dibromochloromethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Dibromomethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Ethylbenzene | | <5.4 | ss | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| n-Hexane | | <21.4 | | ug/kg dw | 08/17/2001 | | 1471 | <21.4 | bmh | SW 8260A |
| 2-Hexanone | | <53.6 | | ug/kg dw | 08/17/2001 | | 1471 | <53.6 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromomethane | | <10.7 | | ug/kg dw | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|----------------------------|--------|-------|------------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700405 | SBI001:HMW-14S:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| Methylene Chloride | <10.7 | ug/kg | dw | 08/17/2001 | 1471 | <10.7 | bmh | SW 8260A | | |
| Methyl t-butyl ether (MTBE) | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| 4-Methyl-2-pentanone (MIBK) | <53.6 | ug/kg | dw | 08/17/2001 | 1471 | <53.6 | bmh | SW 8260A | | |
| n-Propylbenzene | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| Styrene | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| Naphthalene | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| 1,1,1,2-Tetrachloroethane | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| 1,1,2,2-Tetrachloroethane | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| Tetrachloroethene | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| Toluene | <5.4 | ss | ug/kg | dw | 08/17/2001 | <5.4 | bmh | SW 8260A | | |
| 1,2,4-Trichlorobenzene | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| 1,1,1-Trichloroethane | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| 1,1,2-Trichloroethane | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| Trichloroethene | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| Trichlorofluoromethane | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| 1,2,3-Trichloropropane | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| 1,2,4-Trimethylbenzene | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| 1,3,5-Trimethylbenzene | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| Vinyl Acetate | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| Vinyl Chloride | <2.1 | ug/kg | dw | 08/17/2001 | 1471 | <2.1 | bmh | SW 8260A | | |
| Xylenes, Total | <5.4 | ug/kg | dw | 08/17/2001 | 1471 | <5.4 | bmh | SW 8260A | | |
| d4-1,2-Dichloroethane (surr) | 89 | % | | 08/17/2001 | 1471 | | bmh | SW 8260A | | |
| Dibromofluoromethane (surr) | 91 | % | | 08/17/2001 | 1471 | | bmh | SW 8260A | | |
| d8-Toluene (surr) | 100 | % | | 08/17/2001 | 1471 | | bmh | SW 8260A | | |
| Bromofluorobenzene (surr) | 105 | % | | 08/17/2001 | 1471 | | bmh | SW 8260A | | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|----------------------------|--------|------|------------|----------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 700405 | SBI001:HMW-14S:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Acenaphthylene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Anthracene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Benzo(a)anthracene | 1,220 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Benzo(b)fluoranthene | 1,700 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Benzo(k)fluoranthene | 626 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Benzo(a)pyrene | 1,390 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <177 | jrjw | SW | 8270C |
| Benzyl alcohol | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Benzyl butyl phthalate | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Bis(2-chloroethyl) ether | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Bis(2-chloroethoxy)methane | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Bis(2-ethylhexyl)phthalate | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| 2,2'-oxybis(1-Chloropropane) | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| 4-Bromophenyl phenyl ether | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| 4-Chloroaniline | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| 2-Chloronaphthalene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Chrysene | 1,160 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| Dibenzo(a,h)anthracene | <177 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <177 | jrjw | SW | 8270C |
| Dibenzofuran | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| 1,2-Dichlorobenzene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| 1,3-Dichlorobenzene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| 1,4-Dichlorobenzene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |
| 3,3'-Dichlorobenzidine | <707 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <707 | jrjw | SW | 8270C |
| Diethyl phthalate | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW | 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700405 | SBI001:HMW-14S:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| Dimethyl phthalate | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Di-n-octylphthalate | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Fluoranthene | | 1,790 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Fluorene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Hexachlorobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <707 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <707 | jrw | SW 8270C |
| Hexachloroethane | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | 484 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Isophorone | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Naphthalene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Nitrobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Phenanthrene | | 509 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Pyrene | | 1,550 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 90 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 100 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 78 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,770 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <1,770 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|----------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 700405 | SBI001:HMW-14S:S010015:412 | | | | | | | | | | 08/15/2001 08:35 |
| | 2-Chlorophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | 2,4-Dichlorophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | 2,4-Dimethylphenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | 2-Methylphenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | meta & para-Methylphenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | 2-Nitrophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | Pentachlorophenol | <354 | SS | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | Phenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | 2,4,5-Trichlorophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | 2,4,6-Trichlorophenol | <354 | SS | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrj | SW 8270C | |
| | Surrogate: d6-Phenol | 77 | | % | 08/24/2001 | 952 | 1473 | | jrj | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 63 | | % | 08/24/2001 | 952 | 1473 | | jrj | SW 8270C | |
| | Surrogate: Tribromophenol | 41 | | % | 08/24/2001 | 952 | 1473 | | jrj | SW 8270C | |
| | PCB's M 8082, Non-Aq | | | | | | | | | | |
| | Aroclor 1016 | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 | |
| | Aroclor 1221 | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 | |
| | Aroclor 1232 | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 | |
| | Aroclor 1242 | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 | |
| | Aroclor 1248 | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 | |
| | Aroclor 1254 | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 | |
| | Aroclor 1260 | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 | |
| | Surrogate:TCX/DCB | 75/63 | | % | 08/21/2001 | 105 | 190 | | jdc | SW 8082 | |
| | TPH - FTIR Non-aq | 182 | | mg/kg dw | 08/22/2001 | 595 | 627 | <54 | 260 | 418.1 | |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-----------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700406 | SBI001:HMW-14SD:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| Dry Weight | 93.3 | % | | | 08/24/2001 | | 1484 | | mhg | SM 2540 G. |
| Prep, PCBs Non-Aq 8082 | Complete | | | | 08/20/2001 | 105 | | Complete | lmc | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | | 08/21/2001 | 952 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/21/2001 | 595 | | Complete | sub | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/17/2001 | | 1471 | Complete | bmh | |
| Acetone | <107 | ug/kg dw | | | 08/17/2001 | | 1471 | <107 | bmh | SW 8260A |
| Benzene | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| tert-Butylbenzene | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| sec-Butylbenzene | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| n-Butylbenzene | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromochloromethane | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromodichloromethane | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromoform | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromobenzene | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 2-Butanone (MEK) | <54 | ug/kg dw | | | 08/17/2001 | | 1471 | <54 | bmh | SW 8260A |
| Carbon disulfide | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Carbon tetrachloride | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Chlorobenzene | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Chloroethane | <10.7 | ug/kg dw | | | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |
| 2-Chlorotoluene | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 4-Chlorotoluene | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Chloroform | <5.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Chloromethane | <10.7 | ug/kg dw | | | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700406 | SBI001:HMW-14SD:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| Dibromochloromethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Dibromomethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Ethylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| n-Hexane | | <21.4 | | ug/kg dw | 08/17/2001 | | 1471 | <21.4 | bmh | SW 8260A |
| 2-Hexanone | | <53.6 | | ug/kg dw | 08/17/2001 | | 1471 | <53.6 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromomethane | | <10.7 | | ug/kg dw | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700406 | SBI001:HMW-14SD:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| Methylene Chloride | | <10.7 | | ug/kg dw | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <53.6 | | ug/kg dw | 08/17/2001 | | 1471 | <53.6 | bmh | SW 8260A |
| n-Propylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Styrene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Naphthalene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Tetrachloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Toluene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Trichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Vinyl Acetate | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/17/2001 | | 1471 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 90 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 96 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 98 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 99 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700406 | SBI001:HMW-14SD:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Acenaphthylene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Anthracene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzo(a)anthracene | | 906 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | 1,410 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | 420 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzo(a)pyrene | | 988 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <177 | jrjw | SW 8270C |
| Benzyl alcohol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Bis(2-chloroethyl)ether | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 4-Chloroaniline | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Chrysene | | 839 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Dibenzo(a,h)anthracene | | <177 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <177 | jrjw | SW 8270C |
| Dibenzofuran | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 1,2-Dichlorobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 1,3-Dichlorobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 1,4-Dichlorobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <707 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <707 | jrjw | SW 8270C |
| Diethyl phthalate | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|------------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 700406 | SBI001:HMW-14SD:S010015:412 | | | | | | | | | | 08/15/2001 08:35 |
| | Dimethyl phthalate | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2,4-Dinitrotoluene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2,6-Dinitrotoluene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Di-n-octylphthalate | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Fluoranthene | 1,340 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Fluorene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Hexachlorobenzene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Hexachloro-1,3-butadiene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Hexachlorocyclopentadiene | <707 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <707 | jrw | SW 8270C | |
| | Hexachloroethane | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Indeno (1,2,3-cd) pyrene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Isophorone | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Naphthalene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Nitrobenzene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | N-Nitrosodi-n-propylamine | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Phenanthrene | 406 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Pyrene | 1,240 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 1,2,4-Trichlorobenzene | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Surrogate: d5-Nitrobenzene | 94 | | † | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| | Surrogate: 2-Fluorobiphenyl | 102 | | † | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| | Surrogate: d14-Terphenyl | 86 | | † | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| | ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,770 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <1,770 | jrw | SW 8270C | |
| | 4-Chloro-3-methylphenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700406 | SBI001:HMW-14SD:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 08:35 |
| 2-Chlorophenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2-Methylphenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| meta & para-Methylphenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2-Nitrophenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Pentachlorophenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Phenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 85 | | ‡ | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 74 | | ‡ | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 50 | | ‡ | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 |
| Aroclor 1221 | | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 |
| Aroclor 1232 | | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 |
| Aroclor 1242 | | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 |
| Aroclor 1248 | | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 |
| Aroclor 1254 | | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 |
| Aroclor 1260 | | <0.54 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.54 | jdc | SW 8082 |
| Surrogate:TCX/DCB | | 66/56 | | ‡ | 08/21/2001 | 105 | 190 | | jdc | SW 8082 |
| TPH - FTIR Non-aq | | 1,500 | | mg/kg dw | 08/22/2001 | 595 | 627 | <54 | 260 | 418.1 |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700407 | SBI001:HMW-14S:S040050:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 09:14 |
| Dry Weight | 90.5 | | | | 08/24/2001 | | 1484 | | mhg | SM 2540 G. |
| Prep, PCBs Non-Aq 8082 | Complete | | | | 08/20/2001 | 105 | | Complete | lmc | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | | 08/21/2001 | 952 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/21/2001 | 595 | | Complete | sub | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/20/2001 | | 1473 | | bmh | |
| Acetone | <221 | | | ug/kg dw | 08/20/2001 | | 1473 | <221 | bmh | SW 8260A |
| Benzene | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| tert-Butylbenzene | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| sec-Butylbenzene | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| n-Butylbenzene | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Bromochloromethane | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Bromodichloromethane | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Bromoform | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Bromobenzene | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 2-Butanone (MEK) | <110 | | | ug/kg dw | 08/20/2001 | | 1473 | <110 | bmh | SW 8260A |
| Carbon disulfide | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Carbon tetrachloride | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Chlorobenzene | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Chloroethane | <22 | | | ug/kg dw | 08/20/2001 | | 1473 | <22 | bmh | SW 8260A |
| 2-Chlorotoluene | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 4-Chlorotoluene | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Chloroform | <11 | | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Chloromethane | <22 | | | ug/kg dw | 08/20/2001 | | 1473 | <22 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|----------------------------|--------|------|------------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700407 | SBI001:HMW-14S:S040050:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 09:14 |
| Dibromochloromethane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| Dibromomethane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| Dichlorodifluoromethane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,2-Dibromo-3-chloropropane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,2-Dichlorobenzene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,3-Dichlorobenzene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,4-Dichlorobenzene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,1-Dichloroethane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,2-Dichloroethane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,1-Dichloroethene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| cis-1,2-Dichloroethene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| trans-1,2-Dichloroethene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,2-Dichloropropane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,3-Dichloropropane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 2,2-Dichloropropane | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| 1,1-Dichloropropene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| cis-1,3-Dichloropropene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| trans-1,3-Dichloropropene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| Ethylbenzene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| Hexachlorobutadiene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| n-Hexane | <44 | ug/kg | dw | 08/20/2001 | 1473 | <44 | bmh | SW | 8260A | |
| 2-Hexanone | <110 | ug/kg | dw | 08/20/2001 | 1473 | <110 | bmh | SW | 8260A | |
| Isopropylbenzene (Cumene) | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| p-Isopropyltoluene | <11 | ug/kg | dw | 08/20/2001 | 1473 | <11 | bmh | SW | 8260A | |
| Bromomethane | <22 | ug/kg | dw | 08/20/2001 | 1473 | <22 | bmh | SW | 8260A | |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700407 | SBI001:HMW-14S:S040050:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 09:14 |
| Methylene Chloride | | <22 | | ug/kg dw | 08/20/2001 | | 1473 | <22 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <110 | | ug/kg dw | 08/20/2001 | | 1473 | <110 | bmh | SW 8260A |
| n-Propylbenzene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Styrene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Naphthalene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Tetrachloroethene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Toluene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Trichloroethene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Trichlorofluoromethane | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Vinyl Acetate | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| Vinyl Chloride | | <4.4 | | ug/kg dw | 08/20/2001 | | 1473 | <4.4 | bmh | SW 8260A |
| Xylenes, Total | | <11 | | ug/kg dw | 08/20/2001 | | 1473 | <11 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 89 | | % | 08/20/2001 | | 1473 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 89 | | % | 08/20/2001 | | 1473 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 106 | | % | 08/20/2001 | | 1473 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 124 | Note | % | 08/20/2001 | | 1473 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700407 | SBI001:HMW-14S:S040050:412 | | | | | | | | | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Acenaphthylene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Anthracene | | 396 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Benzo(a)anthracene | | 1,100 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | 1,910 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | 533 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Benzo(a)pyrene | | 1,020 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <182 | jrw | SW 8270C |
| Benzyl alcohol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Bis(2-chloroethyl) ether | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 4-Chloroaniline | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Chrysene | | 1,060 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <182 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <182 | jrw | SW 8270C |
| Dibenzofuran | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <729 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <729 | jrw | SW 8270C |
| Diethyl phthalate | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700407 | SBI001:HMW-14S:S040050:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 09:14 |
| Dimethyl phthalate | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Di-n-octylphthalate | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Fluoranthene | | 2,800 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Fluorene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Hexachlorobenzene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <729 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <729 | jrw | SW 8270C |
| Hexachloroethane | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Isophorone | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Naphthalene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Nitrobenzene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Phenanthrene | | 1,570 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Pyrene | | 1,730 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 89 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 98 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 65 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,820 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <1,820 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700407 | SBI001:HMW-14S:S040050:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 09:14 |
| 2-Chlorophenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2-Methylphenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| meta & para-Methylphenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2-Nitrophenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Pentachlorophenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Phenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <365 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <365 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 85 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 77 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 103 | note | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | | <0.55 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.55 | jdc | SW 8082 |
| Aroclor 1221 | | <0.55 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.55 | jdc | SW 8082 |
| Aroclor 1232 | | <0.55 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.55 | jdc | SW 8082 |
| Aroclor 1242 | | <0.55 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.55 | jdc | SW 8082 |
| Aroclor 1248 | | <0.55 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.55 | jdc | SW 8082 |
| Aroclor 1254 | | <0.55 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.55 | jdc | SW 8082 |
| Aroclor 1260 | | <0.55 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.55 | jdc | SW 8082 |
| Surrogate: TCX/DCB | | 83/77 | | % | 08/21/2001 | 105 | 190 | | jdc | SW 8082 |
| TPH - FTIR Non-aq | | 1,660 | | mg/kg dw | 08/22/2001 | 595 | 627 | <55 | 260 | 418.1 |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|----------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700408 | SBI001:HMW-14S:S190210:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 10:00 |
| Dry Weight | | 95.6 | | † | 08/24/2001 | | 1484 | | mhg | SM 2540 G. |
| Prep, PCBs Non-Aq 8082 | | Complete | | | 08/20/2001 | 105 | | Complete | lmc | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | | Complete | | | 08/21/2001 | 952 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | | COMPLETE | | | 08/21/2001 | 595 | | Complete | sub | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/17/2001 | | 1471 | Complete | bmh | |
| Acetone | | <105 | | ug/kg dw | 08/17/2001 | | 1471 | <105 | bmh | SW 8260A |
| Benzene | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| n-Butylbenzene | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Bromochloromethane | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Bromodichloromethane | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Bromoform | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Bromobenzene | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <52 | | ug/kg dw | 08/17/2001 | | 1471 | <52 | bmh | SW 8260A |
| Carbon disulfide | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Chlorobenzene | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Chloroethane | | <10.5 | | ug/kg dw | 08/17/2001 | | 1471 | <10.5 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Chloroform | | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Chloromethane | | <10.5 | | ug/kg dw | 08/17/2001 | | 1471 | <10.5 | bmh | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
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08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700408 | SBI001:HMW-14S:S190210:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 10:00 |
| Dibromochloromethane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| Dibromomethane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| Ethylbenzene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| n-Hexane | | <20.9 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <20.9 | bmh | SW 8260A |
| 2-Hexanone | | <52.3 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <52.3 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.2 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.2 | bmh | SW 8260A |
| Bromomethane | | <10.5 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <10.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700408 | SBI001:HMW-14S:S190210:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 10:00 |
| Methylene Chloride | <10.5 | ug/kg | dw | 08/17/2001 | 1471 | <10.5 | bmh | SW 8260A | | |
| Methyl t-butyl ether (MTBE) | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 4-Methyl-2-pentanone (MIBK) | <52.3 | ug/kg | dw | 08/17/2001 | 1471 | <52.3 | bmh | SW 8260A | | |
| n-Propylbenzene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| Styrene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| Naphthalene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 1,1,1,2-Tetrachloroethane | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 1,1,2,2-Tetrachloroethane | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| Tetrachloroethene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| Toluene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 1,2,4-Trichlorobenzene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 1,1,1-Trichloroethane | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 1,1,2-Trichloroethane | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| Trichloroethene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| Trichlorofluoromethane | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 1,2,3-Trichloropropane | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 1,2,4-Trimethylbenzene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| 1,3,5-Trimethylbenzene | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| Vinyl Acetate | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| Vinyl Chloride | <2.1 | ug/kg | dw | 08/17/2001 | 1471 | <2.1 | bmh | SW 8260A | | |
| Xylenes, Total | <5.2 | ug/kg | dw | 08/17/2001 | 1471 | <5.2 | bmh | SW 8260A | | |
| d4-1,2-Dichloroethane (surr) | 88 | % | | 08/17/2001 | 1471 | | bmh | SW 8260A | | |
| Dibromofluoromethane (surr) | 93 | % | | 08/17/2001 | 1471 | | bmh | SW 8260A | | |
| d8-Toluene (surr) | 97 | % | | 08/17/2001 | 1471 | | bmh | SW 8260A | | |
| Bromofluorobenzene (surr) | 93 | % | | 08/17/2001 | 1471 | | bmh | SW 8260A | | |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700408 | SBI001:HMW-14S:S190210:412 | | | | | | | | | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| | Acenaphthene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Acenaphthylene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Anthracene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Benzo(a)anthracene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Benzo(b)fluoranthene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Benzo(k)fluoranthene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Benzo(a)pyrene | <173 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <173 | jrjw | SW 8270C |
| | Benzyl alcohol | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Benzyl butyl phthalate | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Bis(2-chloroethyl)ether | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | 4-Chloroaniline | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | 2-Chloronaphthalene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Chrysene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | Dibenzo(a,h)anthracene | <173 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <173 | jrjw | SW 8270C |
| | Dibenzofuran | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | 1,2-Dichlorobenzene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | 1,3-Dichlorobenzene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | 1,4-Dichlorobenzene | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <690 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <690 | jrjw | SW 8270C |
| | Diethyl phthalate | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700408 | SBI001:HMW-14S:S190210:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 10:00 |
| Dimethyl phthalate | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Di-n-octylphthalate | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Fluoranthene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Fluorene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Hexachlorobenzene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <690 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <690 | jrw | SW 8270C |
| Hexachloroethane | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Isophorone | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Naphthalene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Nitrobenzene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Phenanthrene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Pyrene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 75 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 90 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 101 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,730 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <1,730 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |

ANALYTICAL REPORT

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Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700408 | SBI001:HMW-14S:S190210:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 10:00 |
| 2-Chlorophenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2-Methylphenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| meta & para-Methylphenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2-Nitrophenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Pentachlorophenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Phenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <345 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <345 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 37 | | ‡ | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 19 | | ‡ | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 64 | note | ‡ | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 |
| Aroclor 1221 | | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 |
| Aroclor 1232 | | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 |
| Aroclor 1242 | | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 |
| Aroclor 1248 | | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 |
| Aroclor 1254 | | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 |
| Aroclor 1260 | | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 |
| Surrogate: TCX/DCB | | 65/84 | | ‡ | 08/21/2001 | 105 | 190 | | jdc | SW 8082 |
| TPH - FTIR Non-aq | | <52 | | mg/kg dw | 08/22/2001 | 595 | 627 | <52 | 260 | 418.1 |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|----------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700409 | SBI001:HMW-14S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 10:08 |
| Dry Weight | 96.6 | % | | | 08/24/2001 | | 1484 | | mhg | SM 2540 G. |
| Prep, PCBs Non-Aq 8082 | Complete | | | | 08/20/2001 | 105 | | Complete | lmc | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | | 08/21/2001 | 952 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/21/2001 | 595 | | Complete | sub | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/17/2001 | | 1471 | Complete | bmh | |
| Acetone | <104 | ug/kg dw | | | 08/17/2001 | | 1471 | <104 | bmh | SW 8260A |
| Benzene | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| tert-Butylbenzene | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| sec-Butylbenzene | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| n-Butylbenzene | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Bromochloromethane | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Bromodichloromethane | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Bromoform | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Bromobenzene | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| 2-Butanone (MEK) | <52 | ug/kg dw | | | 08/17/2001 | | 1471 | <52 | bmh | SW 8260A |
| Carbon disulfide | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Carbon tetrachloride | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Chlorobenzene | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Chloroethane | <10.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <10.4 | bmh | SW 8260A |
| 2-Chlorotoluene | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| 4-Chlorotoluene | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Chloroform | <5.2 | ug/kg dw | | | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| Chloromethane | <10.4 | ug/kg dw | | | 08/17/2001 | | 1471 | <10.4 | bmh | SW 8260A |

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08/30/2001

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Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700409 | SBI001:HMW-14S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 10:08 |
| | Dibromochloromethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | Dibromomethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | Ethylbenzene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | n-Hexane | <20.7 | | ug/kg dw | 08/17/2001 | | 1471 | <20.7 | bmh | SW 8260A |
| | 2-Hexanone | <51.8 | | ug/kg dw | 08/17/2001 | | 1471 | <51.8 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A |
| | Bromomethane | <10.4 | | ug/kg dw | 08/17/2001 | | 1471 | <10.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 700409 | SBI001:HMW-14S:S210230:412 | | | | | | | | | | 08/15/2001 10:08 |
| | Methylene Chloride | <10.4 | | ug/kg dw | 08/17/2001 | | 1471 | <10.4 | bmh | SW 8260A | |
| | Methyl t-butyl ether (MTBE) | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 4-Methyl-2-pentanone (MIBK) | <51.8 | | ug/kg dw | 08/17/2001 | | 1471 | <51.8 | bmh | SW 8260A | |
| | n-Propylbenzene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | Styrene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | Naphthalene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 1,1,1,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 1,1,2,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | Tetrachloroethene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | Toluene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 1,2,4-Trichlorobenzene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 1,1,1-Trichloroethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 1,1,2-Trichloroethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | Trichloroethene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | Trichlorofluoromethane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 1,2,3-Trichloropropane | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 1,2,4-Trimethylbenzene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | 1,3,5-Trimethylbenzene | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | Vinyl Acetate | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/17/2001 | | 1471 | <2.1 | bmh | SW 8260A | |
| | Xylenes, Total | <5.2 | | ug/kg dw | 08/17/2001 | | 1471 | <5.2 | bmh | SW 8260A | |
| | d4-1,2-Dichloroethane (surr) | 90 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A | |
| | Dibromofluoromethane (surr) | 92 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A | |
| | d8-Toluene (surr) | 97 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A | |
| | Bromofluorobenzene (surr) | 92 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A | |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700409 | SBI001:HMW-14S:S210230:412 | | | | | | | | | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| | Acenaphthene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Acenaphthylene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Anthracene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Benzo(a)anthracene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Benzo(a)pyrene | <171 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <171 | jrw | SW 8270C |
| | Benzyl alcohol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Bis(2-chloroethyl)ether | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | 4-Chloroaniline | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Chrysene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <171 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <171 | jrw | SW 8270C |
| | Dibenzofuran | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <683 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <683 | jrw | SW 8270C |
| | Diethyl phthalate | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700409 | SBI001:HMW-14S:S210230:412 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 10:08 |
| Dimethyl phthalate | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Di-n-octylphthalate | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Fluoranthene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Fluorene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Hexachlorobenzene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <683 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <683 | jrw | SW 8270C |
| Hexachloroethane | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Isophorone | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Naphthalene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Nitrobenzene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Phenanthrene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Pyrene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 94 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 101 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 102 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,710 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <1,710 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 700409 | SBI001:HMW-14S:S210230:412 | | | | | | | | | | 08/15/2001 10:08 |
| | 4-Chlorophenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | 2,4-Dichlorophenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | 2,4-Dimethylphenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | 2-Methylphenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | meta & para-Methylphenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | 2-Nitrophenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | Pentachlorophenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | Phenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | 2,4,5-Trichlorophenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | 2,4,6-Trichlorophenol | <342 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <342 | jrw | SW 8270C | |
| | Surrogate: d6-Phenol | 82 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 73 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| | Surrogate: Tribromophenol | 86 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| | PCB's M 8082, Non-Aq | | | | | | | | | | |
| | Aroclor 1016 | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 | |
| | Aroclor 1221 | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 | |
| | Aroclor 1232 | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 | |
| | Aroclor 1242 | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 | |
| | Aroclor 1248 | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 | |
| | Aroclor 1254 | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 | |
| | Aroclor 1260 | <0.52 | | mg/kg dw | 08/21/2001 | 105 | 190 | <0.52 | jdc | SW 8082 | |
| | Surrogate:TCX/DCB | 68/80 | | % | 08/21/2001 | 105 | 190 | | jdc | SW 8082 | |
| | TPH - FTIR Non-aq | <52 | | mg/kg dw | 08/22/2001 | 595 | 627 | <52 | 260 | 418.1 | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700410 | SBI002:HMW-9D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 16:35 |
| Carbon disulfide | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| Chlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| Chloroethane | | <10.7 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <10.7 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| Chloroform | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| Chloromethane | | <10.7 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <10.7 | bmh | SW 8260A |
| Dibromochloromethane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| Dibromomethane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | 1471 | 1471 | <5.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700410 | SBI002:HMW-9D:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 16:35 |
| trans-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Ethylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| n-Hexane | | <21.5 | | ug/kg dw | 08/17/2001 | | 1471 | <21.5 | bmh | SW 8260A |
| 2-Hexanone | | <53.6 | | ug/kg dw | 08/17/2001 | | 1471 | <53.6 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Bromomethane | | <10.7 | | ug/kg dw | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |
| Methylene Chloride | | <10.7 | | ug/kg dw | 08/17/2001 | | 1471 | <10.7 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <53.6 | | ug/kg dw | 08/17/2001 | | 1471 | <53.6 | bmh | SW 8260A |
| n-Propylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Styrene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Naphthalene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Tetrachloroethene | | 50.1 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Toluene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Trichloroethene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/17/2001 | | 1471 | <5.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|----------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700411 | SBI002:HMW-9DD:S000020:505 | | | | | | | | | |
| | ICP Digestion, Nonaqueous | Complete | | | 08/22/2001 | 908 | | Complete | mrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| | 8260 - SW846 (Non-aq) | Complete | | | 08/17/2001 | | 1471 | Complete | bmh | |
| | Acetone | <106 | | ug/kg dw | 08/17/2001 | | 1471 | <106 | bmh | SW 8260A |
| | Benzene | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | tert-Butylbenzene | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | sec-Butylbenzene | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | n-Butylbenzene | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Bromochloromethane | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Bromodichloromethane | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Bromoform | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Bromobenzene | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | 2-Butanone (MEK) | <53 | | ug/kg dw | 08/17/2001 | | 1471 | <53 | bmh | SW 8260A |
| | Carbon disulfide | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Carbon tetrachloride | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Chlorobenzene | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Chloroethane | <10.6 | | ug/kg dw | 08/17/2001 | | 1471 | <10.6 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | 4-Chlorotoluene | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Chloroform | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Chloromethane | <10.6 | | ug/kg dw | 08/17/2001 | | 1471 | <10.6 | bmh | SW 8260A |
| | Dibromochloromethane | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| | Dibromomethane | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

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Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700411 | SBI002:HMW-9DD:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 16:35 |
| Dichlorodifluoromethane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Ethylbenzene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| n-Hexane | | <21.3 | | ug/kg dw | 08/17/2001 | | 1471 | <21.3 | bmh | SW 8260A |
| 2-Hexanone | | <53.2 | | ug/kg dw | 08/17/2001 | | 1471 | <53.2 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Bromomethane | | <10.6 | | ug/kg dw | 08/17/2001 | | 1471 | <10.6 | bmh | SW 8260A |
| Methylene Chloride | | <10.6 | | ug/kg dw | 08/17/2001 | | 1471 | <10.6 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700411 | SBI002:HMW-9DD:S000020:505 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 16:35 |
| 4-Methyl-2-pentanone (MIBK) | | <53.2 | | ug/kg dw | 08/17/2001 | | 1471 | <53.2 | bmh | SW 8260A |
| n-Propylbenzene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Styrene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Naphthalene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Tetrachloroethene | | 83.9 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Toluene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Trichloroethene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Vinyl Acetate | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/17/2001 | | 1471 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.3 | | ug/kg dw | 08/17/2001 | | 1471 | <5.3 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 89 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 93 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 96 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 101 | | % | 08/17/2001 | | 1471 | | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
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08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700412 | SBI002:FB1:W081501:505 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 17:00 |
| ICPMS TOTAL METALS | Complete | | | | 08/28/2001 | | 2480 | Complete | kmb | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 08/28/2001 | 1812 | 3587 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | <0.0050 | | | mg/L | 08/28/2001 | 1812 | 3796 | <0.0050 | kmb | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 08/28/2001 | 1812 | 3466 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 08/28/2001 | 1812 | 3854 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | <0.0010 | | | mg/L | 08/28/2001 | 1812 | 3544 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 08/23/2001 | 1375 | 1317 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 08/20/2001 | 732 | 556 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 08/28/2001 | 1812 | 3798 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 08/24/2001 | 1812 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 08/20/2001 | 732 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 08/23/2001 | 1375 | | Complete | clm | SW 7470A |
| Prep, Base Neutral | Complete | | | | 08/20/2001 | 1258 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 08/20/2001 | 1258 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, PCBs Aqueous 8082 | Complete | | | | 08/17/2001 | 57 | | Complete | lmc | SW 3510C; SW 3520C |
| Prep, TPH - 418.1 aq | COMPLETE | | | | 08/24/2001 | 597 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/16/2001 | | 3490 | Complete | mrh | |
| Acetone | <20.0 | | | ug/L | 08/16/2001 | | 3490 | <20.0 | mrh | SW 8260B |
| Benzene | <1.0 | | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 700412 | SBI002:FB1:W081501:505 | | | | | | | | | | 08/15/2001 17:00 |
| | Bromodichloromethane | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Bromoform | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Bromobenzene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 08/16/2001 | | 3490 | <12.5 | mrh | SW 8260B | |
| | Carbon disulfide | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Carbon tetrachloride | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Chlorobenzene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Chloroethane | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B | |
| | 2-Chlorotoluene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 4-Chlorotoluene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Chloroform | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Chloromethane | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B | |
| | Dibromochloromethane | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Dibromomethane | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B | |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B | |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
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08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 700412 | SBI002:FB1:W081501:505 | | | | | | | | DATE/TIME TAKEN 08/15/2001 17:00 |
| Trichloroethene | | <1.0 | | ug/L | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 107 | | % | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| Dibromofluoromethane (surr) | | 106 | | % | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| d8-Toluene (surr) | | 100 | | % | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| Bromofluorobenzene (surr) | | 108 | | % | 08/16/2001 | 3490 | 3490 | mrh | SW 8260B |
| BASE NEUTRAL COMP. (AQ) | 8270 | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| Anthracene | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| bis(2-Chloroethyl) ether | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | jcs | SW 8270C |

ANALYTICAL REPORT

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08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 700412 | SBI002:FB1:W081501:505 | | | | | | | | | | 08/15/2001 17:00 |
| | 3-(2-Ethylhexyl)phthalate | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 4-Chloroaniline | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 2-Chloronaphthalene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Chrysene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Dibenzofuran | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 08/27/2001 | 1258 | 2666 | <50 | jcs | SW 8270C | |
| | Diethyl phthalate | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Dimethyl phthalate | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Di-n-octylphthalate | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Fluoranthene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Fluorene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Hexachlorobenzene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 08/27/2001 | 1258 | 2666 | <20 | jcs | SW 8270C | |
| | Hexachloroethane | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |
| | Isophorone | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C | |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700412 | SBI002:FB1:W081501:505 | | | | | | | | | |
| | Surrogate: 2-Fluorophenol | 77 | | % | 08/27/2001 | 1258 | 2666 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 95 | | % | 08/27/2001 | 1258 | 2666 | | jcs | SW 8270C |
| | PCB's M 8082. Aqueous | | | | | | | | | |
| | Aroclor 1016 | <0.20 | | ug/L | 08/21/2001 | 57 | 105 | <0.20 | jdc | SW 8082 |
| | Aroclor 1221 | <0.20 | | ug/L | 08/21/2001 | 57 | 105 | <0.20 | jdc | SW 8082 |
| | Aroclor 1232 | <0.20 | | ug/L | 08/21/2001 | 57 | 105 | <0.20 | jdc | SW 8082 |
| | Aroclor 1242 | <0.20 | | ug/L | 08/21/2001 | 57 | 105 | <0.20 | jdc | SW 8082 |
| | Aroclor 1248 | <0.20 | | ug/L | 08/21/2001 | 57 | 105 | <0.20 | jdc | SW 8082 |
| | Aroclor 1254 | <0.20 | | ug/L | 08/21/2001 | 57 | 105 | <0.20 | jdc | SW 8082 |
| | Aroclor 1260 | <0.20 | | ug/L | 08/21/2001 | 57 | 105 | <0.20 | jdc | SW 8082 |
| | Surrogate:DCB/TCX | 121/81 | | % | 08/21/2001 | 57 | 105 | | jdc | SW 8082 |
| | TPH - Method 418.1 (AQ) | <0.20 | | mg/L | 08/24/2001 | 597 | 717 | <0.20 | 260 | EPA 418.1 |

ANALYTICAL REPORT

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08/30/2001

Job Number: 01.14810

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700413 | SBI002:TB1:W081501 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 17:00 |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 08/16/2001 | | 3490 | <12.5 | mrh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | bmh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 08/16/2001 | | 3490 | <12.5 | mrh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14810

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700413 | SBI002:TB1:W081501 | | | | | | | | | DATE/TIME TAKEN 08/15/2001 17:00 |
| Naphthalene | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Toluene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 08/16/2001 | | 3490 | <5.0 | mrh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 08/16/2001 | | 3490 | <1.0 | mrh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 110 | | % | 08/16/2001 | | 3490 | | mrh | SW 8260B |
| Dibromofluoromethane (surr) | | 109 | | % | 08/16/2001 | | 3490 | | mrh | SW 8260B |
| d8-Toluene (surr) | | 99 | | % | 08/16/2001 | | 3490 | | mrh | SW 8260B |
| Bromofluorobenzene (surr) | | 107 | | % | 08/16/2001 | | 3490 | | mrh | SW 8260B |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.14810

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.14810

Sample Number: 700407

Analysis: 8260 - Volatiles

Elevated reporting limits due to dilution for matrix interference. Internal standard response for d4-1,2-dichloroethane was below recommended response limits. No hits were reported for compounds quantitated using the internal standard. Surrogate recovery of bromofluorobenzene was above recommended recovery limits of 74-121%. Results were confirmed by repeat analysis.

Sample Number: 700407

Analysis: 8270 BNA

Response for internal standard d12-chrysene was above the recommended level. Results for compounds quantitated from it should be considered estimated. These include pyrene, benzo(a)anthracene and chrysene.

Sample Number: 700408

Analysis: 8270 BNA

Recovery of surrogate 2-fluorophenol was below the recommended level. All other surrogate recoveries were acceptable.

SBI002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

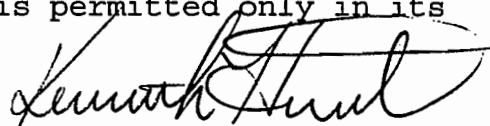
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 699297 | SBI002:GB-14:S015025:412 | 08/08/2001 | 08/10/2001 |
| 699298 | SBI002:GB-5:S015025:412 | 08/08/2001 | 08/10/2001 |
| 699299 | SBI002:SB-5:S000015:412 | 08/08/2001 | 08/10/2001 |
| 699300 | SBI002:GB-8:S000015:412 | 08/08/2001 | 08/10/2001 |
| 699301 | SBI002:GB-13:S010020:412 | 08/08/2001 | 08/10/2001 |
| 699302 | SBI002:GB-3:S005020:412 | 08/08/2001 | 08/10/2001 |
| 699303 | SBI002:GB-3D:S005020:412 | 08/08/2001 | 08/10/2001 |
| 699304 | SBI002:GB-32:S000015:412 | 08/08/2001 | 08/10/2001 |
| 699305 | SBI002:GB-19:S000010:412 | 08/08/2001 | 08/10/2001 |
| 699306 | SBI002:GB-1:S000010:412 | 08/09/2001 | 08/10/2001 |
| 699307 | SBI002:GB-1D:S000010:412 | 08/09/2001 | 08/10/2001 |
| 699308 | SBI002:GB-2:S010015:412 | 08/09/2001 | 08/10/2001 |
| 699309 | SBI002:GB-9:S000020:412 | 08/09/2001 | 08/10/2001 |
| 699310 | SBI002:GB-10:S000020:412 | 08/09/2001 | 08/10/2001 |
| 699311 | SBI002:GB-12:S000020:412 | 08/09/2001 | 08/10/2001 |
| 699312 | SBI002:HMW26S:S015025:412 | 08/09/2001 | 08/10/2001 |
| 699313 | SBI002:FB-1:W080901:412 | 08/09/2001 | 08/10/2001 |
| 699314 | SBI002:TB-1:W080901:412 | 08/09/2001 | 08/10/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure



Approved By

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699297 | SBI002:GB-14:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 15:20 |
| Dry Weight | 90.1 | ‡ | | | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | <7.1 | mg/kg dw | | | 08/16/2001 | 901 | 2956 | <7.1 | emd | SW 6010B |
| Barium, ICP | 64.2 | mg/kg dw | | | 08/16/2001 | 901 | 2887 | <1.4 | emd | SW 6010B |
| Cadmium, ICP | <2.1 | mg/kg dw | | | 08/16/2001 | 901 | 2869 | <2.1 | emd | SW 6010B |
| Chromium, ICP | 10 | mg/kg dw | | | 08/16/2001 | 901 | 2857 | <2.9 | emd | SW 6010B |
| Lead, ICP | 69.3 | mg/kg dw | | | 08/16/2001 | 901 | 2858 | <5.8 | emd | SW 6010B |
| Mercury, CVAA | 0.095 | mg/kg dw | | | 08/17/2001 | 607 | 624 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <7.1 | mg/kg dw | | | 08/16/2001 | 901 | 2936 | <7.1 | emd | SW 6010B |
| Silver, ICP | <2.9 | mg/kg dw | | | 08/16/2001 | 901 | 2889 | <2.9 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |
| Acenaphthylene | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |
| Anthracene | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |
| Benzo(a)anthracene | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |
| Benzo(a)pyrene | <183 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <183 | jrjw | SW 8270C |
| Benzyl alcohol | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |
| Benzyl butyl phthalate | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |
| Bis(2-chloroethyl)ether | <366 | ug/kg dw | | | 08/17/2001 | 947 | 1461 | <366 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699297 | SBI002:GB-14:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 15:20 |
| | Bis(2-chloroethoxy)methane | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 4-Chloroaniline | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Chrysene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <183 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <183 | jrw | SW 8270C |
| | Dibenzofuran | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <733 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <733 | jrw | SW 8270C |
| | Diethyl phthalate | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Dimethyl phthalate | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Di-n-octylphthalate | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Fluoranthene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Fluorene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Hexachlorobenzene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <733 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <733 | jrw | SW 8270C |
| | Hexachloroethane | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699297 | SBI002:GB-14:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 15:20 |
| Isophorone | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| Naphthalene | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| Nitrobenzene | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| Phenanthrene | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| Pyrene | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 80 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 91 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 132 | Note | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,830 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,830 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 2-Chlorophenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 2-Methylphenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| meta & para-Methylphenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 2-Nitrophenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| Pentachlorophenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| Phenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <366 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <366 | jrw | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699297 | SBI002:GB-14:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 15:20 |
| Surrogate: d6-Phenol | | 79 | | % | 08/17/2001 | 947 | 1461 | | jrj | SW 8270C |
| Surrogate: 2-Fluorophenol | | 68 | | % | 08/17/2001 | 947 | 1461 | | jrj | SW 8270C |
| Surrogate: Tribromophenol | | 82 | | % | 08/17/2001 | 947 | 1461 | | jrj | SW 8270C |
| 699298 | SBI002:GB-5:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 15:45 |
| Dry Weight | | 94.3 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <3.5 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.5 | emd | SW 6010B |
| Barium, ICP | | 18.3 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.70 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 6.4 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | | 7.7 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | | 0.008 | | mg/kg dw | 08/17/2001 | 607 | 624 | <0.008 | epk | SW 7471A |
| Selenium, ICP | | <3.5 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.5 | emd | SW 6010B |
| Silver, ICP | | <1.4 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 699298 | SBI002:GB-5:S015025:412 | | | | | | | | DATE/TIME TAKEN 08/08/2001 15:45 |
| Acenaphthene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Acenaphthylene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Anthracene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Benzo(a)anthracene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Benzo(b)fluoranthene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Benzo(k)fluoranthene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Benzo(a)pyrene | | <175 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <175 | jrw SW 8270C |
| Benzyl alcohol | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Benzyl butyl phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Bis(2-chloroethyl) ether | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Bis(2-chloroethoxy)methane | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| 4-Bromophenyl phenyl ether | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| 4-Chloroaniline | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| 2-Chloronaphthalene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Chrysene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Dibenzo(a,h)anthracene | | <175 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <175 | jrw SW 8270C |
| Dibenzofuran | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| 1,2-Dichlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| 1,3-Dichlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| 1,4-Dichlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| 3,3'-Dichlorobenzidine | | <700 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <700 | jrw SW 8270C |
| Diethyl phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |
| Dimethyl phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | | |
| 699298 | SBI002:GB-5:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 15:45 |
| 2,4-Dinitrotoluene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Di-n-octylphthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Fluoranthene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Fluorene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Hexachlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <700 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <700 | jrw | SW 8270C |
| Hexachloroethane | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Isophorone | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Naphthalene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Nitrobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Phenanthrene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Pyrene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 69 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 79 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 86 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,750 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,750 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 2-Chlorophenol | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|----------------------------|----------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 699298 | SBI002:GB-5:S015025:412 | | | | | | | | | | 08/08/2001 15:45 |
| | 2,4-Dichlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2,4-Dimethylphenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2-Methylphenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | meta & para-Methylphenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2-Nitrophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Pentachlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Phenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2,4,5-Trichlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2,4,6-Trichlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Surrogate: d6-Phenol | 70 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 64 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| | Surrogate: Tribromophenol | 86 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| 699299 | SBI002:SB-5:S000015:412 | | | | | | | | | | 08/08/2001 11:45 |
| | Dry Weight | 98.6 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. | |
| | ICP NONAQUEOUS | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B | |
| | Arsenic, ICP | 57.1 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.3 | emd | SW 6010B | |
| | Barium, ICP | 124 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.68 | emd | SW 6010B | |
| | Cadmium, ICP | <1.0 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.0 | emd | SW 6010B | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|-------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699299 | SBI002:SB-5:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 11:45 |
| Chromium, ICP | 16.2 | mg/kg | dw | 08/16/2001 | 901 | 2857 | <1.3 | emd | SW 6010B | |
| Lead, ICP | 122 | mg/kg | dw | 08/16/2001 | 901 | 2858 | <2.7 | emd | SW 6010B | |
| Mercury, CVAA | 0.092 | mg/kg | dw | 08/17/2001 | 607 | 624 | <0.008 | epk | SW 7471A | |
| Selenium, ICP | <3.3 | mg/kg | dw | 08/16/2001 | 901 | 2936 | <3.3 | emd | SW 6010B | |
| Silver, ICP | <1.3 | mg/kg | dw | 08/16/2001 | 901 | 2889 | <1.3 | emd | SW 6010B | |
| ICP Digestion, Nonaqueous | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B | |
| Mercury Digestion, Non-Aq | Complete | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A | |
| Prep, BNA Non-Aq | Complete | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 | |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | 08/15/2001 | 589 | | Complete | 110 | SW 9071 | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | 08/14/2001 | | 1462 | Complete | bmh | | |
| Acetone | <101 | ug/kg | dw | 08/14/2001 | | 1462 | <101 | bmh | SW 8260A | |
| Benzene | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| tert-Butylbenzene | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| sec-Butylbenzene | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| n-Butylbenzene | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| Bromochloromethane | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| Bromodichloromethane | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| Bromoform | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| Bromobenzene | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| 2-Butanone (MEK) | <51 | ug/kg | dw | 08/14/2001 | | 1462 | <51 | bmh | SW 8260A | |
| Carbon disulfide | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| Carbon tetrachloride | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |
| Chlorobenzene | <5.1 | ug/kg | dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A | |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699299 | SBI002:SB-5:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 11:45 |
| Chloroethane | | <10.1 | | ug/kg dw | 08/14/2001 | | 1462 | <10.1 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Chloroform | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Chloromethane | | <10.1 | | ug/kg dw | 08/14/2001 | | 1462 | <10.1 | bmh | SW 8260A |
| Dibromochloromethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Dibromomethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Ethylbenzene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699299 | SBI002:SB-5:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 11:45 |
| n-Hexane | | <20.3 | | ug/kg dw | 08/14/2001 | | 1462 | <20.3 | bmh | SW 8260A |
| 2-Hexanone | | <50.7 | | ug/kg dw | 08/14/2001 | | 1462 | <50.7 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Bromomethane | | <10.1 | | ug/kg dw | 08/14/2001 | | 1462 | <10.1 | bmh | SW 8260A |
| Methylene Chloride | | <10.1 | | ug/kg dw | 08/14/2001 | | 1462 | <10.1 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <50.7 | | ug/kg dw | 08/14/2001 | | 1462 | <50.7 | bmh | SW 8260A |
| n-Propylbenzene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Styrene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Naphthalene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Tetrachloroethene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Toluene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Trichloroethene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Vinyl Acetate | | <5.1 | | ug/kg dw | 08/14/2001 | | 1462 | <5.1 | bmh | SW 8260A |
| Vinyl Chloride | | <2.0 | | ug/kg dw | 08/14/2001 | | 1462 | <2.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699299 | SBI002:SB-5:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 11:45 |
| Xylenes, Total | | <5.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.1 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 109 | | ‡ | 08/14/2001 | 1462 | 1462 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 102 | | ‡ | 08/14/2001 | 1462 | 1462 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 94 | | ‡ | 08/14/2001 | 1462 | 1462 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 94 | | ‡ | 08/14/2001 | 1462 | 1462 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Acenaphthylene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Anthracene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Benzo(a)anthracene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Benzo(a)pyrene | | <167 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <167 | jrjw | SW 8270C |
| Benzyl alcohol | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Bis(2-chloroethyl)ether | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| 4-Chloroaniline | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Chrysene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrjw | SW 8270C |
| Dibenzo(a,h)anthracene | | <167 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <167 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|-------------------------|--------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 699299 | SBI002:SB-5:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 11:45 |
| Dibenzofuran | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <669 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <669 | jrw | SW 8270C |
| Diethyl phthalate | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Dimethyl phthalate | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Di-n-octylphthalate | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Fluoranthene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Fluorene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Hexachlorobenzene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <669 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <669 | jrw | SW 8270C |
| Hexachloroethane | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Isophorone | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Naphthalene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Nitrobenzene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Phenanthrene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Pyrene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <335 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <335 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 58 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699300 | SBI002:GB-8:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:55 |
| Dry Weight | 96.0 | | | ‡ | 08/16/2001 | | 1478 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | <3.4 | | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.4 | emd | SW 6010B |
| Barium, ICP | 88.9 | | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.69 | emd | SW 6010B |
| Cadmium, ICP | <1.0 | | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.0 | emd | SW 6010B |
| Chromium, ICP | 6.5 | | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.4 | emd | SW 6010B |
| Lead, ICP | 28.3 | | | mg/kg dw | 08/16/2001 | 901 | 2858 | <2.8 | emd | SW 6010B |
| Mercury, CVAA | 0.024 | | | mg/kg dw | 08/17/2001 | 607 | 624 | <0.008 | epk | SW 7471A |
| Selenium, ICP | <3.4 | | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.4 | emd | SW 6010B |
| Silver, ICP | <1.4 | | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/15/2001 | 589 | | Complete | 110 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/14/2001 | | 1462 | Complete | bmh | |
| Acetone | <104 | | | ug/kg dw | 08/14/2001 | | 1462 | <104 | bmh | SW 8260A |
| Benzene | <5.2 | | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| tert-Butylbenzene | <5.2 | | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| sec-Butylbenzene | <5.2 | | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| n-Butylbenzene | <5.2 | | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Bromochloromethane | <5.2 | | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Bromodichloromethane | <5.2 | | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Bromoform | <5.2 | | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 699300 | SBI002:GB-8:S000015:412 | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:55 |
| Bromobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| Carbon disulfide | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| Chlorobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| Chloroethane | | <10.4 | | ug/kg dw | 08/14/2001 | 1462 | <10.4 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| Chloroform | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| Chloromethane | | <10.4 | | ug/kg dw | 08/14/2001 | 1462 | <10.4 | bmh | SW 8260A |
| Dibromochloromethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| Dibromomethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699300 | SBI002:GB-8:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:55 |
| 1,1-Dichloropropene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Ethylbenzene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| n-Hexane | | <20.8 | | ug/kg dw | 08/14/2001 | | 1462 | <20.8 | bmh | SW 8260A |
| 2-Hexanone | | <52.1 | | ug/kg dw | 08/14/2001 | | 1462 | <52.1 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Bromomethane | | <10.4 | | ug/kg dw | 08/14/2001 | | 1462 | <10.4 | bmh | SW 8260A |
| Methylene Chloride | | <10.4 | | ug/kg dw | 08/14/2001 | | 1462 | <10.4 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <52.1 | | ug/kg dw | 08/14/2001 | | 1462 | <52.1 | bmh | SW 8260A |
| n-Propylbenzene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Styrene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Naphthalene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Tetrachloroethene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Toluene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Trichloroethene | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.2 | | ug/kg dw | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|-------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699300 | SBI002:GB-8:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:55 |
| 4-Bromophenyl phenyl ether | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| 4-Chloroaniline | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| 2-Chloronaphthalene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Chrysene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Dibenzo(a,h)anthracene | <172 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <172 | jrjw | SW 8270C | |
| Dibenzofuran | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| 1,2-Dichlorobenzene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| 1,3-Dichlorobenzene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| 1,4-Dichlorobenzene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| 3,3'-Dichlorobenzidine | <688 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <688 | jrjw | SW 8270C | |
| Diethyl phthalate | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Dimethyl phthalate | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| 2,4-Dinitrotoluene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| 2,6-Dinitrotoluene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Di-n-octylphthalate | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Fluoranthene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Fluorene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Hexachlorobenzene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Hexachloro-1,3-butadiene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Hexachlorocyclopentadiene | <688 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <688 | jrjw | SW 8270C | |
| Hexachloroethane | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Isophorone | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Naphthalene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |
| Nitrobenzene | <344 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <344 | jrjw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699300 | SBI002:GB-8:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:55 |
| N-Nitrosodi-n-propylamine | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| Phenanthrene | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| Pyrene | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 73 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 92 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 133 | Note | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,720 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,720 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 2-Chlorophenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 2-Methylphenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| meta & para-Methylphenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 2-Nitrophenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| Pentachlorophenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| Phenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <344 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <344 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 82 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 74 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 73 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|-------------------------------|--------------------------|----------|------|----------|---------------|-------------------|------------------|-----------------|------------------|----------------------------|------------------|
| | | | | | | | | | | | DATE/TIME TAKEN |
| 699300 | SBI002:GB-8:S000015:412 | | | | | | | | | | 08/08/2001 10:55 |
| TPH - FTIR Non-aq | | <52 | | mg/kg dw | 08/16/2001 | 589 | 621 | <52 | 110 | 418.1 | |
| 699301 | SBI002:GB-13:S010020:412 | | | | | | | | | | 08/08/2001 10:30 |
| Dry Weight | | 94.6 | | % | 08/16/2001 | | 1478 | | mhg | SM 2540 G. | |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B | |
| Arsenic, ICP | | <6.8 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <6.8 | emd | SW 6010B | |
| Barium, ICP | | 110 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <1.4 | emd | SW 6010B | |
| Cadmium, ICP | | <2.0 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <2.0 | emd | SW 6010B | |
| Chromium, ICP | | 12.5 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <2.7 | emd | SW 6010B | |
| Lead, ICP | | 201 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <5.5 | emd | SW 6010B | |
| Mercury, CVAA | | 1.25 | | mg/kg dw | 08/17/2001 | 607 | 624 | <0.040 | epk | SW 7471A | |
| Selenium, ICP | | <6.8 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <6.8 | emd | SW 6010B | |
| Silver, ICP | | <2.7 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <2.7 | emd | SW 6010B | |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B | |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A | |
| Prep, BNA Non-Aq | | Complete | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | | |
| Acenaphthene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrj | SW 8270C | |
| Acenaphthylene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrj | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699301 | SBI002:GB-13:S010020:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:30 |
| | Anthracene | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Benzo(a)anthracene | 712 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | 1,130 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | 378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Benzo(a)pyrene | 668 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <174 | jrw | SW 8270C |
| | Benzyl alcohol | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Bis(2-chloroethyl)ether | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 4-Chloroaniline | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Chrysene | 712 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <174 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <174 | jrw | SW 8270C |
| | Dibenzofuran | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <698 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <698 | jrw | SW 8270C |
| | Diethyl phthalate | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | Dimethyl phthalate | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699301 | SBI002:GB-13:S010020:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 10:30 |
| Di-n-octylphthalate | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Fluoranthene | | 1,300 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Fluorene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Hexachlorobenzene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <698 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <698 | jrw | SW 8270C |
| Hexachloroethane | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Isophorone | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Naphthalene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Nitrobenzene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Phenanthrene | | 1,450 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Pyrene | | 1,990 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 66 | | † | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 80 | | † | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 114 | Note | † | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,740 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,740 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| 2-Chlorophenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference | DATE/TIME TAKEN |
|----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | | |
| 699301 | SBI002:GB-13:S010020:412 | | | | | | | | | | 08/08/2001 10:30 |
| 2-Methyl-4,6-dinitrophenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C | |
| 2-Methylphenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C | |
| meta & para-Methylphenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C | |
| 2-Nitrophenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C | |
| Pentachlorophenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C | |
| Phenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C | |
| 2,4,5-Trichlorophenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C | |
| 2,4,6-Trichlorophenol | | <349 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <349 | jrw | SW 8270C | |
| Surrogate: d6-Phenol | | 70 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorophenol | | 56 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| Surrogate: Tribromophenol | | 67 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| 699302 | SBI002:GB-3:S005020:412 | | | | | | | | | | 08/08/2001 09:55 |

| | | | | | | | | | | |
|----------------|----------|----------|--|------------|------|----------|------|--|-----|------------|
| Dry Weight | 86.8 | % | | 08/16/2001 | 1478 | | | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | 08/16/2001 | 1229 | Complete | | | emd | SW 6010B |
| Arsenic, ICP | 13.5 | mg/kg dw | | 08/16/2001 | 901 | 2956 | <7.6 | | emd | SW 6010B |
| Barium, ICP | 342 | mg/kg dw | | 08/16/2001 | 901 | 2887 | <1.5 | | emd | SW 6010B |
| Cadmium, ICP | <2.3 | mg/kg dw | | 08/16/2001 | 901 | 2869 | <2.3 | | emd | SW 6010B |
| Chromium, ICP | 32.3 | mg/kg dw | | 08/16/2001 | 901 | 2857 | <3.0 | | emd | SW 6010B |
| Lead, ICP | 306 | mg/kg dw | | 08/16/2001 | 901 | 2858 | <6.1 | | emd | SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699302 | SBI002:GB-3:S005020:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 09:55 |
| Dibenzo(a,h)anthracene | | <190 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <190 | jrw | SW 8270C |
| Dibenzofuran | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <760 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <760 | jrw | SW 8270C |
| Diethyl phthalate | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Dimethyl phthalate | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Di-n-octylphthalate | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Fluoranthene | | 810 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Fluorene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Hexachlorobenzene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <760 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <760 | jrw | SW 8270C |
| Hexachloroethane | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Isophorone | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Naphthalene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Nitrobenzene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Phenanthrene | | 657 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| Pyrene | | 1,640 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699302 | SBI002:GB-3:S005020:412 | | | | | | | | | |
| | Surrogate: d5-Nitrobenzene | 73 | | % | 08/17/2001 | 947 | 1461 | | jrjw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 83 | | % | 08/17/2001 | 947 | 1461 | | jrjw | SW 8270C |
| | Surrogate: d14-Terphenyl | 124 | Note | % | 08/17/2001 | 947 | 1461 | | jrjw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,900 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,900 | jrjw | SW 8270C |
| | 4-Chloro-3-methylphenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | 2-Chlorophenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | 2,4-Dichlorophenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | 2,4-Dimethylphenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | 2-Methylphenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | meta & para-Methylphenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | 2-Nitrophenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | Pentachlorophenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | Phenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | 2,4,5-Trichlorophenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | 2,4,6-Trichlorophenol | <380 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <380 | jrjw | SW 8270C |
| | Surrogate: d6-Phenol | 61 | | % | 08/17/2001 | 947 | 1461 | | jrjw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 44 | | % | 08/17/2001 | 947 | 1461 | | jrjw | SW 8270C |
| | Surrogate: Tribromophenol | 51 | | % | 08/17/2001 | 947 | 1461 | | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699303 | SBI002:GB-3D:S005020:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 09:55 |
| Dry Weight | | 87.2 | | † | 08/17/2001 | | 1479 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/16/2001 | | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 8.3 | | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.8 | emd | SW 6010B |
| Barium, ICP | | 159 | | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.77 | emd | SW 6010B |
| Cadmium, ICP | | <1.1 | | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd | SW 6010B |
| Chromium, ICP | | 11 | | mg/kg dw | 08/16/2001 | 901 | 2857 | <1.5 | emd | SW 6010B |
| Lead, ICP | | 102 | | mg/kg dw | 08/16/2001 | 901 | 2858 | <3.1 | emd | SW 6010B |
| Mercury, CVAA | | 0.396 | | mg/kg dw | 08/17/2001 | 607 | 624 | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.8 | | mg/kg dw | 08/16/2001 | 901 | 2936 | <3.8 | emd | SW 6010B |
| Silver, ICP | | <1.5 | | mg/kg dw | 08/16/2001 | 901 | 2889 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | n | | | 08/15/2001 | 901 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |
| Acenaphthylene | | <378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |
| Anthracene | | <378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |
| Benzo(a)anthracene | | <378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | 532 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | <378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |
| Benzo(a)pyrene | | 282 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <189 | jrjw | SW 8270C |
| Benzyl alcohol | | <378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |
| Bis(2-chloroethyl)ether | | <378 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <378 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699303 | SBI002:GB-3D:S005020:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 09:55 |
| Isophorone | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| Naphthalene | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| Nitrobenzene | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| N-Nitrosodi-n-propylamine | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| Phenanthrene | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| Pyrene | 596 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 1,2,4-Trichlorobenzene | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| Surrogate: d5-Nitrobenzene | 73 | % | | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorobiphenyl | 76 | % | | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| Surrogate: d14-Terphenyl | 116 | % | | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | <1,890 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <1,890 | jrw | SW 8270C | |
| 4-Chloro-3-methylphenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 2-Chlorophenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 2,4-Dichlorophenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 2,4-Dimethylphenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 2-Methyl-4,6-dinitrophenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 2-Methylphenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| meta & para-Methylphenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 2-Nitrophenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| Pentachlorophenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| Phenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 2,4,5-Trichlorophenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |
| 2,4,6-Trichlorophenol | <378 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <378 | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|--------------------------|----------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 699303 | SBI002:GB-3D:S005020:412 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN 08/08/2001 09:55 |
| Surrogate: d6-Phenol | | 57 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 38 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 37 | Note | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| 699304 | SBI002:GB-32:S000015:412 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN 08/08/2001 09:15 |
| Dry Weight | | 95.4 | | % | 08/17/2001 | | 1479 | | | mhg SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/17/2001 | | 1231 | Complete | | mhr SW 6010B |
| Arsenic, ICP | | <14 | | mg/kg dw | 08/17/2001 | 901 | 2958 | <14 | | mhr SW 6010B |
| Barium, ICP | | 59.0 | | mg/kg dw | 08/17/2001 | 901 | 2889 | <2.7 | | mhr SW 6010B |
| Cadmium, ICP | | <4.2 | | mg/kg dw | 08/17/2001 | 901 | 2871 | <4.2 | | mhr SW 6010B |
| Chromium, ICP | | 6.5 | | mg/kg dw | 08/17/2001 | 901 | 2859 | <5.6 | | mhr SW 6010B |
| Lead, ICP | | 23 | | mg/kg dw | 08/17/2001 | 901 | 2860 | <12 | | mhr SW 6010B |
| Mercury, CVAA | | 0.014 | | mg/kg dw | 08/17/2001 | 607 | 624 | <0.008 | | epk SW 7471A |
| Selenium, ICP | | <14 | | mg/kg dw | 08/17/2001 | 901 | 2938 | <14 | | mhr SW 6010B |
| Silver, ICP | | <5.6 | | mg/kg dw | 08/17/2001 | 901 | 2891 | <5.6 | | mhr SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 901 | | Complete | | mrt SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 607 | | Complete | | epk SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/14/2001 | 947 | | Complete | | mlr EPA 625; SW 3540C; SW 3545 |

BASE NEUT. COMPS.-8270 Non-aq

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699304 | SBI002:GB-32:S000015:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 09:15 |
| 2,4-Dinitrotoluene | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Di-n-octylphthalate | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Fluoranthene | | 8,610 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C |
| Fluorene | | 2,250 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Hexachlorobenzene | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <692 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <692 | jrw | SW 8270C |
| Hexachloroethane | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Isophorone | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Naphthalene | | 2,710 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Nitrobenzene | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Phenanthrene | | 12,600 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C |
| Pyrene | | 11,300 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 91 | note | % | 08/18/2001 | 947 | 1462 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 124 | | % | 08/18/2001 | 947 | 1462 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 204 | | % | 08/18/2001 | 947 | 1462 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,730 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,730 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |
| 2-Chlorophenol | | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C |

ANALYTICAL REPORT

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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Limit | Initials | Method Reference |
|------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-------------------|-------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 699304 | SBI002:GB-32:S000015:412 | | | | | | | | | | DATE/TIME TAKEN 08/08/2001 09:15 |
| | 2,4-Dichlorophenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | 2,4-Dimethylphenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | 2-Methylphenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | meta & para-Methylphenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | 2-Nitrophenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | Pentachlorophenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | Phenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | 2,4,5-Trichlorophenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | 2,4,6-Trichlorophenol | <346 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <346 | jrw | SW 8270C | |
| | Surrogate: d6-Phenol | 67 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 39 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| | Surrogate: Tribromophenol | 11 | Note | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|--------------------------|------------------|
| 699305 | SBI002:GB-19:S000010:412 | 08/08/2001 08:05 |

| | | | | | | | |
|----------------|----------|----------|------------|------|----------|-------|--------------|
| Dry Weight | 88.5 | % | 08/17/2001 | 1479 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | 08/16/2001 | 1229 | Complete | emd | SW 6010B |
| Arsenic, ICP | 34 | mg/kg dw | 08/16/2001 | 901 | 2956 | <3.6 | emd SW 6010B |
| Barium, ICP | 456 | mg/kg dw | 08/16/2001 | 901 | 2887 | <0.71 | emd SW 6010B |
| Cadmium, ICP | 2.0 | mg/kg dw | 08/16/2001 | 901 | 2869 | <1.1 | emd SW 6010B |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|---------------------------|--------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699305 | SBI002:GB-19:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/08/2001 08:05 |
| 2-Chloronaphthalene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Chrysene | 527 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Dibenzo(a,h)anthracene | <186 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <186 | jrw | SW 8270C | |
| Dibenzofuran | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| 1,2-Dichlorobenzene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| 1,3-Dichlorobenzene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| 1,4-Dichlorobenzene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| 3,3'-Dichlorobenzidine | <746 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <746 | jrw | SW 8270C | |
| Diethyl phthalate | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Dimethyl phthalate | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| 2,4-Dinitrotoluene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| 2,6-Dinitrotoluene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Di-n-octylphthalate | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Fluoranthene | 722 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Fluorene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Hexachlorobenzene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Hexachloro-1,3-butadiene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Hexachlorocyclopentadiene | <746 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <746 | jrw | SW 8270C | |
| Hexachloroethane | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Isophorone | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Naphthalene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Nitrobenzene | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| N-Nitrosodi-n-propylamine | <373 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |
| Phenanthrene | 421 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <373 | jrw | SW 8270C | |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|-------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699306 | SBI002:GB-1:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 08:05 |
| Dry Weight | | 94.2 | | ‡ | 08/17/2001 | | 1479 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/17/2001 | | 1232 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <10 | | mg/kg dw | 08/17/2001 | 903 | 2960 | <10 | emd | SW 6010B |
| Barium, ICP | | 300 | | mg/kg dw | 08/17/2001 | 903 | 2891 | <2.1 | emd | SW 6010B |
| Cadmium, ICP | | <3.2 | | mg/kg dw | 08/17/2001 | 903 | 2873 | <3.2 | emd | SW 6010B |
| Chromium, ICP | | 8.8 | | mg/kg dw | 08/17/2001 | 903 | 2861 | <4.1 | emd | SW 6010B |
| Lead, ICP | | 114 | | mg/kg dw | 08/17/2001 | 903 | 2862 | <8.4 | emd | SW 6010B |
| Mercury, CVAA | | <0.008 | | mg/kg dw | 08/17/2001 | 607 | 624 | <0.008 | epk | SW 7471A |
| Selenium, ICP | | <10 | | mg/kg dw | 08/17/2001 | 903 | 2940 | <10 | emd | SW 6010B |
| Silver, ICP | | <4.1 | | mg/kg dw | 08/17/2001 | 903 | 2893 | <4.1 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/15/2001 | 903 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | 357 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |
| Acenaphthylene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |
| Anthracene | | 1,230 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |
| Benzo(a)anthracene | | 1,200 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | 2,860 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | 916 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |
| Benzo(a)pyrene | | 1,170 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <175 | jrjw | SW 8270C |
| Benzyl alcohol | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |
| Bis(2-chloroethyl) ether | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrjw | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699306 | SBI002:GB-1:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 08:05 |
| | Bis(2-chloroethoxy)methane | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 4-Chloroaniline | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Chrysene | 1,650 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <175 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <175 | jrw | SW 8270C |
| | Dibenzofuran | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <701 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <701 | jrw | SW 8270C |
| | Diethyl phthalate | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Dimethyl phthalate | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Di-n-octylphthalate | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Fluoranthene | 2,700 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Fluorene | 455 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Hexachlorobenzene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <701 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <701 | jrw | SW 8270C |
| | Hexachloroethane | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |

ANALYTICAL REPORT

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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------------------------|-----------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | 08/09/2001 08:05 |
| | Isophorone | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Naphthalene | 480 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Nitrobenzene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | N-Nitrosodi-n-propylamine | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Phenanthrene | 4,690 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| | Pyrene | 4,530 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| | 1,2,4-Trichlorobenzene | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Surrogate: d5-Nitrobenzene | 76 | | ‡ | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| | Surrogate: 2-Fluorobiphenyl | 89 | | ‡ | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| | Surrogate: d14-Terphenyl | 158 | Note | ‡ | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | | |
| | Benzoic Acid | <1,750 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,750 | jrw | SW 8270C | |
| | 4-Chloro-3-methylphenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2-Chlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2,4-Dichlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2,4-Dimethylphenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2-Methylphenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | meta & para-Methylphenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2-Nitrophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Pentachlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | Phenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2,4,5-Trichlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |
| | 2,4,6-Trichlorophenol | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 699307 | SBI002:GB-1D:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 08:05 |
| Acenaphthene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Acenaphthylene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Anthracene | | 783 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Benzo(a)anthracene | | 934 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | 2,090 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | 744 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Benzo(a)pyrene | | 299 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <175 | jrw | SW 8270C |
| Benzyl alcohol | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 4-Chloroaniline | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Chrysene | | 1,320 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <175 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <175 | jrw | SW 8270C |
| Dibenzofuran | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <701 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <701 | jrw | SW 8270C |
| Diethyl phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Dimethyl phthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699307 | SBI002:GB-1D:S000010:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 08:05 |
| 2,4-Dinitrotoluene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Di-n-octylphthalate | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Fluoranthene | | 2,170 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Fluorene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Hexachlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <701 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <701 | jrw | SW 8270C |
| Hexachloroethane | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Isophorone | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Naphthalene | | 518 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Nitrobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Phenanthrene | | 2,530 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Pyrene | | 3,150 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <1,750 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 81 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 82 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 124 | Note | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,750 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,750 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |
| 2-Chlorophenol | | <350 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <350 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 699308 | SBI002:GB-2:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 08:45 |
| 2-Chloronaphthalene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Chrysene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Dibenzo(a,h)anthracene | | <188 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <188 | dmg | SW 8270C |
| Dibenzofuran | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <750 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <750 | dmg | SW 8270C |
| Diethyl phthalate | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Dimethyl phthalate | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Di-n-octylphthalate | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Fluoranthene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Fluorene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Hexachlorobenzene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <750 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <750 | dmg | SW 8270C |
| Hexachloroethane | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Isophorone | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Naphthalene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Nitrobenzene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Phenanthrene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699308 | SBI002:GB-2:S010015:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 08:45 |
| Pyrene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 79 | | % | 08/19/2001 | 947 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 86 | | % | 08/19/2001 | 947 | 1463 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 83 | | % | 08/19/2001 | 947 | 1463 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,880 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <1,880 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2-Chlorophenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2-Methylphenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| meta & para-Methylphenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2-Nitrophenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Pentachlorophenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Phenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <375 | | ug/kg dw | 08/19/2001 | 947 | 1463 | <375 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 75 | | % | 08/19/2001 | 947 | 1463 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 58 | | % | 08/19/2001 | 947 | 1463 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 71 | | % | 08/19/2001 | 947 | 1463 | | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|-------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699309 | SBI002:GB-9:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:00 |
| Dry Weight | 95.0 | % | | | 08/17/2001 | | 1479 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/17/2001 | | 1232 | Complete | emd | SW 6010B |
| Arsenic, ICP | <33.1 | mg/kg dw | | | 08/17/2001 | 903 | 2960 | <33.1 | emd | SW 6010B |
| Barium, ICP | 398 | mg/kg dw | | | 08/17/2001 | 903 | 2891 | <3.3 | emd | SW 6010B |
| Cadmium, ICP | <9.92 | mg/kg dw | | | 08/17/2001 | 903 | 2873 | <9.92 | emd | SW 6010B |
| Chromium, ICP | 90.2 | mg/kg dw | | | 08/17/2001 | 903 | 2861 | <6.6 | emd | SW 6010B |
| Lead, ICP | 193 | mg/kg dw | | | 08/17/2001 | 903 | 2862 | <14 | emd | SW 6010B |
| Mercury, CVAA | 1.38 | mg/kg dw | | | 08/17/2001 | 607 | 624 | <0.040 | epk | SW 7471A |
| Selenium, ICP | <33.1 | mg/kg dw | | | 08/17/2001 | 903 | 2940 | <33.1 | emd | SW 6010B |
| Silver, ICP | <13.3 | mg/kg dw | | | 08/17/2001 | 903 | 2893 | <13.3 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/15/2001 | 903 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A |
| Prep, PCBs Non-Aq 8082 | Complete | | | | 08/16/2001 | 103 | | Complete | mlr | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/15/2001 | 589 | | Complete | 110 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/14/2001 | | 1462 | Complete | bmh | |
| Acetone | <105 | ug/kg dw | | | 08/14/2001 | | 1462 | <105 | bmh | SW 8260A |
| Benzene | <5.3 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| tert-Butylbenzene | <5.3 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| sec-Butylbenzene | <5.3 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| n-Butylbenzene | <5.3 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Bromochloromethane | <5.3 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Bromodichloromethane | <5.3 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 699309 | SBI002:GB-9:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:00 |
| | Bromoform | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Bromobenzene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 2-Butanone (MEK) | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Carbon disulfide | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Carbon tetrachloride | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Chlorobenzene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Chloroethane | <10.5 | | ug/kg dw | 08/14/2001 | | 1462 | <10.5 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 4-Chlorotoluene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Chloroform | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Chloromethane | <10.5 | | ug/kg dw | 08/14/2001 | | 1462 | <10.5 | bmh | SW 8260A |
| | Dibromochloromethane | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Dibromomethane | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 699309 | SBI002:GB-9:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:00 |
| 2,2-Dichloropropane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Ethylbenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| n-Hexane | | <21.1 | | ug/kg dw | 08/14/2001 | | 1462 | <21.1 | bmh | SW 8260A |
| 2-Hexanone | | <52.6 | | ug/kg dw | 08/14/2001 | | 1462 | <52.6 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Bromomethane | | <10.5 | | ug/kg dw | 08/14/2001 | | 1462 | <10.5 | bmh | SW 8260A |
| Methylene Chloride | | <10.5 | | ug/kg dw | 08/14/2001 | | 1462 | <10.5 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <52.6 | | ug/kg dw | 08/14/2001 | | 1462 | <52.6 | bmh | SW 8260A |
| n-Propylbenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Styrene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Naphthalene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Tetrachloroethene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Toluene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Trichloroethene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|-------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699309 | SBI002:GB-9:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:00 |
| Trichlorofluoromethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Vinyl Acetate | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/14/2001 | | 1462 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 109 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 105 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 95 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 99 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Acenaphthylene | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Anthracene | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Benzo(a)anthracene | | 574 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | 988 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | 451 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Benzo(a)pyrene | | 427 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <174 | jrw | SW 8270C |
| Benzyl alcohol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|------------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699309 | SBI002:GB-9:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:00 |
| 2,2'-oxybis(1-Chloropropane) | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 4-Bromophenyl phenyl ether | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 4-Chloroaniline | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 2-Chloronaphthalene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Chrysene | 753 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Dibenzo(a,h)anthracene | <174 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <174 | jrw | SW 8270C | |
| Dibenzofuran | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 1,2-Dichlorobenzene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 1,3-Dichlorobenzene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 1,4-Dichlorobenzene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 3,3'-Dichlorobenzidine | <695 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <695 | jrw | SW 8270C | |
| Diethyl phthalate | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Dimethyl phthalate | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 2,4-Dinitrotoluene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| 2,6-Dinitrotoluene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Di-n-octylphthalate | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Fluoranthene | 1,040 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Fluorene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Hexachlorobenzene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Hexachloro-1,3-butadiene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Hexachlorocyclopentadiene | <695 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <695 | jrw | SW 8270C | |
| Hexachloroethane | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Isophorone | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |
| Naphthalene | <347 | ug/kg | dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C | |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699309 | SBI002:GB-9:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:00 |
| Nitrobenzene | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Phenanthrene | | 749 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Pyrene | | 2,340 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 72 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 91 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 161 | Note | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,740 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,740 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 2-Chlorophenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 2-Methylphenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| meta & para-Methylphenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 2-Nitrophenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Pentachlorophenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Phenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <347 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <347 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 75 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 61 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|---------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699309 | SBI002:GB-9:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:00 |
| Surrogate: Tribromophenol | | 78 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | | <0.53 | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | jdc | SW 8082 |
| Aroclor 1221 | | <0.53 | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | jdc | SW 8082 |
| Aroclor 1232 | | <0.53 | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | jdc | SW 8082 |
| Aroclor 1242 | | <0.53 | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | jdc | SW 8082 |
| Aroclor 1248 | | <0.53 | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | jdc | SW 8082 |
| Aroclor 1254 | | <0.53 | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | jdc | SW 8082 |
| Aroclor 1260 | | <0.53 | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | jdc | SW 8082 |
| Surrogate:TCX/DCB | | 118/101 | note | % | 08/20/2001 | 103 | 187 | | jdc | SW 8082 |
| TPH - FTIR Non-aq | | 2,320 | | mg/kg dw | 08/16/2001 | 589 | 621 | <53 | 110 | 418.1 |
| 699310 | SBI002:GB-10:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:45 |
| Dry Weight | | 95.4 | | % | 08/17/2001 | | 1479 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 08/17/2001 | | 1232 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <6.9 | | mg/kg dw | 08/17/2001 | 903 | 2960 | <6.9 | emd | SW 6010B |
| Barium, ICP | | 237 | | mg/kg dw | 08/17/2001 | 903 | 2891 | <1.4 | emd | SW 6010B |
| Cadmium, ICP | | 89.2 | | mg/kg dw | 08/17/2001 | 903 | 2873 | <2.1 | emd | SW 6010B |
| Chromium, ICP | | 16.2 | | mg/kg dw | 08/17/2001 | 903 | 2861 | <2.7 | emd | SW 6010B |
| Lead, ICP | | 147 | | mg/kg dw | 08/17/2001 | 903 | 2862 | <5.6 | emd | SW 6010B |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|------------|---------------|--------------|--------------|-----------------|----------------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699310 | SBI002:GB-10:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:45 |
| Mercury, CVAA | 0.419 | mg/kg dw | | 08/17/2001 | 607 | 624 | <0.031 | epk | SW 7471A | |
| Selenium, ICP | <6.9 | mg/kg dw | | 08/17/2001 | 903 | 2940 | <6.9 | emd | SW 6010B | |
| Silver, ICP | <2.7 | mg/kg dw | | 08/17/2001 | 903 | 2893 | <2.7 | emd | SW 6010B | |
| ICP Digestion, Nonaqueous | Complete | | | 08/15/2001 | 903 | | Complete | mrt | SW 3050B | |
| Mercury Digestion, Non-Aq | Complete | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A | |
| Prep, PCBs Non-Aq 8082 | Complete | | | 08/16/2001 | 103 | | Complete | mlr | SW 3540C; SW 3545 | |
| Prep, BNA Non-Aq | Complete | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 | |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | 08/15/2001 | 589 | | Complete | 110 | SW 9071 | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | 08/14/2001 | | 1462 | Complete | bmh | | |
| Acetone | <105 | ug/kg dw | | 08/14/2001 | | 1462 | <105 | bmh | SW 8260A | |
| Benzene | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| tert-Butylbenzene | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| sec-Butylbenzene | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| n-Butylbenzene | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| Bromochloromethane | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| Bromodichloromethane | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| Bromoform | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| Bromobenzene | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| 2-Butanone (MEK) | <52 | ug/kg dw | | 08/14/2001 | | 1462 | <52 | bmh | SW 8260A | |
| Carbon disulfide | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| Carbon tetrachloride | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| Chlorobenzene | <5.2 | ug/kg dw | | 08/14/2001 | | 1462 | <5.2 | bmh | SW 8260A | |
| Chloroethane | <10.5 | ug/kg dw | | 08/14/2001 | | 1462 | <10.5 | bmh | SW 8260A | |

ANALYTICAL REPORT

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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699310 | SBI002:GB-10:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:45 |
| 2-Chlorotoluene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| Chloroform | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| Chloromethane | | <10.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.5 | bmh | SW 8260A |
| Dibromochloromethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| Dibromomethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| Ethylbenzene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| n-Hexane | | <21.0 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <21.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-------------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699310 | SBI002:GB-10:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:45 |
| | <i>n</i> -Hexanone | <52.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <52.4 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | <i>p</i> -Isopropyltoluene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Bromomethane | <10.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.5 | bmh | SW 8260A |
| | Methylene Chloride | <10.5 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <10.5 | bmh | SW 8260A |
| | Methyl <i>t</i> -butyl ether (MTBE) | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <52.4 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <52.4 | bmh | SW 8260A |
| | <i>n</i> -Propylbenzene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Styrene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Naphthalene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Tetrachloroethene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Toluene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Trichloroethene | 7.9 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | 1,3,5-Trimethylbenzene | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Vinyl Acetate | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |
| | Vinyl Chloride | <2.1 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <2.1 | bmh | SW 8260A |
| | Xylenes, Total | <5.2 | | ug/kg dw | 08/14/2001 | 1462 | 1462 | <5.2 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699310 | SBI002:GB-10:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:45 |
| d4-1,2-Dichloroethane (surr) | 105 | ‡ | | | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | 99 | ‡ | | | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| d8-Toluene (surr) | 92 | ‡ | | | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | 94 | ‡ | | | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| BASE NEUT. COMPS.--8270 Non-aq | | | | | | | | | | |
| Acenaphthene | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Acenaphthylene | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Anthracene | 5,270 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C |
| Benzo (a) anthracene | 12,300 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C |
| Benzo (b) fluoranthene | 16,000 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C |
| Benzo (k) fluoranthene | 6,170 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C |
| Benzo (a) pyrene | 10,900 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <1,680 | jcs | SW 8270C |
| Benzyl alcohol | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Benzyl butyl phthalate | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Bis (2-chloroethyl) ether | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Bis (2-chloroethoxy) methane | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Bis (2-ethylhexyl) phthalate | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2,2'-oxybis (1-Chloropropane) | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 4-Chloroaniline | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2-Chloronaphthalene | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Chrysene | 12,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C |
| Dibenzo (a, h) anthracene | <1,700 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <1,700 | jcs | SW 8270C |
| Dibenzofuran | <3,500 | | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|-----------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|---------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | | |
| 699310 | SBI002:GB-10:S000020:412 | | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:45 |
| 1,2-Dichlorobenzene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| 1,3-Dichlorobenzene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| 1,4-Dichlorobenzene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| 3,3'-Dichlorobenzidine | | <6,900 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <6,900 | jcs | SW 8270C | |
| Diethyl phthalate | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Dimethyl phthalate | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| 2,4-Dinitrotoluene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| 2,6-Dinitrotoluene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Di-n-octylphthalate | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Fluoranthene | | 20,000 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C | |
| Fluorene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Hexachlorobenzene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Hexachloro-1,3-butadiene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Hexachlorocyclopentadiene | | <6,900 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <6,900 | jcs | SW 8270C | |
| Hexachloroethane | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | | 3,160 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <1,730 | jcs | SW 8270C | |
| Isophorone | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Naphthalene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Nitrobenzene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| N-Nitrosodi-n-propylamine | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Phenanthrene | | 19,100 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C | |
| Pyrene | | 30,600 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,460 | jcs | SW 8270C | |
| 1,2,4-Trichlorobenzene | | <3,500 | | ug/kg dw | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C | |
| Surrogate: d5-Nitrobenzene | | dl | note | % | 08/19/2001 | 947 | 1462 | | jcs | SW 8270C | |
| Surrogate: 2-Fluorobiphenyl | | 123 | | % | 08/19/2001 | 947 | 1462 | | jcs | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699310 | SBI002:GB-10:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:45 |
| Surrogate: d14-Terphenyl | 174 | % | | | 08/19/2001 | 947 | 1462 | | jcs | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | <17,000 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <17,000 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2-Chlorophenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2,4-Dichlorophenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2,4-Dimethylphenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2-Methylphenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| meta & para-Methylphenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2-Nitrophenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Pentachlorophenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Phenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | <3,500 | ug/kg dw | | | 08/19/2001 | 947 | 1462 | <3,500 | jcs | SW 8270C |
| Surrogate: d6-Phenol | dl | % | | | 08/19/2001 | 947 | 1462 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | dl | % | | | 08/19/2001 | 947 | 1462 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | dl | % | | | 08/19/2001 | 947 | 1462 | | jcs | SW 8270C |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | <0.52 | mg/kg dw | | | 08/20/2001 | 103 | 187 | <0.52 | jdc | SW 8082 |
| Aroclor 1221 | <0.52 | mg/kg dw | | | 08/20/2001 | 103 | 187 | <0.52 | jdc | SW 8082 |
| Aroclor 1232 | <0.52 | mg/kg dw | | | 08/20/2001 | 103 | 187 | <0.52 | jdc | SW 8082 |
| Aroclor 1242 | <0.52 | mg/kg dw | | | 08/20/2001 | 103 | 187 | <0.52 | jdc | SW 8082 |
| Aroclor 1248 | <0.52 | mg/kg dw | | | 08/20/2001 | 103 | 187 | <0.52 | jdc | SW 8082 |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699310 | SBI002:GB-10:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 09:45 |
| Aroclor 1254 | <0.52 | | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.52 | jdc | SW 8082 |
| Aroclor 1260 | <0.52 | | | mg/kg dw | 08/20/2001 | 103 | 187 | <0.52 | jdc | SW 8082 |
| Surrogate:TCX/DCB | 90/53 | note | * | | 08/20/2001 | 103 | 187 | | jdc | SW 8082 |
| TPH - FTIR Non-aq | 199 | | | mg/kg dw | 08/16/2001 | 589 | 621 | <52 | 110 | 418.1 |
| 699311 | SBI002:GB-12:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 10:10 |
| Dry Weight | 94.0 | | * | | 08/17/2001 | | 1479 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/17/2001 | | 1232 | Complete | emd | SW 6010B |
| Arsenic, ICP | <18 | | | mg/kg dw | 08/17/2001 | 903 | 2960 | <18 | emd | SW 6010B |
| Barium, ICP | 187 | | | mg/kg dw | 08/17/2001 | 903 | 2891 | <3.5 | emd | SW 6010B |
| Cadmium, ICP | <5.3 | | | mg/kg dw | 08/17/2001 | 903 | 2873 | <5.3 | emd | SW 6010B |
| Chromium, ICP | 177 | | | mg/kg dw | 08/17/2001 | 903 | 2861 | <7.0 | emd | SW 6010B |
| Lead, ICP | 167 | | | mg/kg dw | 08/17/2001 | 903 | 2862 | <14 | emd | SW 6010B |
| Mercury, CVAA | 0.523 | | | mg/kg dw | 08/17/2001 | 607 | 624 | <0.035 | epk | SW 7471A |
| Selenium, ICP | <18 | | | mg/kg dw | 08/17/2001 | 903 | 2940 | <18 | emd | SW 6010B |
| Silver, ICP | <7.0 | | | mg/kg dw | 08/17/2001 | 903 | 2893 | <7.0 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/15/2001 | 903 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A |
| Prep, PCBs Non-Aq 8082 | Complete | | | | 08/16/2001 | 103 | | Complete | mlr | SW 3540C; SW 3545 |
| Prep, BNA Non-Aq | Complete | | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699311 | SBI002:GB-12:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 10:10 |
| Prep, TPH 418.1 Nonaq | COMPLETE | | | | 08/15/2001 | 589 | | Complete | 110 | SW 9071 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/14/2001 | 1462 | | Complete | bmh | |
| Acetone | <106 | ug/kg | dw | | 08/14/2001 | 1462 | <106 | bmh | | SW 8260A |
| Benzene | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| tert-Butylbenzene | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| sec-Butylbenzene | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| n-Butylbenzene | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Bromochloromethane | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Bromodichloromethane | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Bromoform | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Bromobenzene | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| 2-Butanone (MEK) | <53 | ug/kg | dw | | 08/14/2001 | 1462 | <53 | bmh | | SW 8260A |
| Carbon disulfide | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Carbon tetrachloride | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Chlorobenzene | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Chloroethane | <10.6 | ug/kg | dw | | 08/14/2001 | 1462 | <10.6 | bmh | | SW 8260A |
| 2-Chlorotoluene | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| 4-Chlorotoluene | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Chloroform | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Chloromethane | <10.6 | ug/kg | dw | | 08/14/2001 | 1462 | <10.6 | bmh | | SW 8260A |
| Dibromochloromethane | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Dibromomethane | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |
| Dichlorodifluoromethane | <5.3 | ug/kg | dw | | 08/14/2001 | 1462 | <5.3 | bmh | | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|------------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699311 | SBI002:GB-12:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 10:10 |
| 1,2-Dibromo-3-chloropropane | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,2-Dichlorobenzene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,3-Dichlorobenzene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,4-Dichlorobenzene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,1-Dichloroethane | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,2-Dichloroethane | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,1-Dichloroethene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| cis-1,2-Dichloroethene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| trans-1,2-Dichloroethene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,2-Dichloropropane | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,3-Dichloropropane | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 2,2-Dichloropropane | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 1,1-Dichloropropene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| cis-1,3-Dichloropropene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| trans-1,3-Dichloropropene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| Ethylbenzene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| Hexachlorobutadiene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| n-Hexane | <21.3 | ug/kg | dw | 08/14/2001 | 1462 | <21.3 | bmh | SW 8260A | | |
| 2-Hexanone | <53.2 | ug/kg | dw | 08/14/2001 | 1462 | <53.2 | bmh | SW 8260A | | |
| Isopropylbenzene (Cumene) | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| p-Isopropyltoluene | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| Bromomethane | <10.6 | ug/kg | dw | 08/14/2001 | 1462 | <10.6 | bmh | SW 8260A | | |
| Methylene Chloride | <10.6 | ug/kg | dw | 08/14/2001 | 1462 | <10.6 | bmh | SW 8260A | | |
| Methyl t-butyl ether (MTBE) | <5.3 | ug/kg | dw | 08/14/2001 | 1462 | <5.3 | bmh | SW 8260A | | |
| 4-Methyl-2-pentanone (MIBK) | <53.2 | ug/kg | dw | 08/14/2001 | 1462 | <53.2 | bmh | SW 8260A | | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699311 | SBI002:GB-12:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 10:10 |
| n-Propylbenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Styrene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Naphthalene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Tetrachloroethene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Toluene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Trichloroethene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Vinyl Acetate | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/14/2001 | | 1462 | <2.1 | bmh | SW 8260A |
| Xylenes, Total | | <5.3 | | ug/kg dw | 08/14/2001 | | 1462 | <5.3 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 100 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 103 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 94 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 94 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <351 | | ug/kg dw | 08/17/2001 | | 1461 | <351 | jr | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 699311 | SBI002:GB-12:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 10:10 |
| Acenaphthylene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Anthracene | | 689 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Benzo(a)anthracene | | 2,740 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Benzo(b)fluoranthene | | 5,660 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,510 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | 2,170 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Benzo(a)pyrene | | 2,650 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <176 | jr | SW 8270C |
| Benzyl alcohol | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Benzyl butyl phthalate | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Bis(2-chloroethyl)ether | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Bis(2-chloroethoxy)methane | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 4-Bromophenyl phenyl ether | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 4-Chloroaniline | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 2-Chloronaphthalene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Chrysene | | 2,830 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Dibenzo(a,h)anthracene | | <176 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <176 | jr | SW 8270C |
| Dibenzofuran | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 1,2-Dichlorobenzene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 1,3-Dichlorobenzene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 1,4-Dichlorobenzene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 3,3'-Dichlorobenzidine | | <702 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <702 | jr | SW 8270C |
| Diethyl phthalate | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| Dimethyl phthalate | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |
| 2,4-Dinitrotoluene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jr | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699311 | SBI002:GB-12:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 10:10 |
| 2,6-Dinitrotoluene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Di-n-octylphthalate | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Fluoranthene | | 5,540 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,510 | jcs | SW 8270C |
| Fluorene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Hexachlorobenzene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <702 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <702 | jrw | SW 8270C |
| Hexachloroethane | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | 377 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Isophorone | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Naphthalene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Nitrobenzene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Phenanthrene | | 4,650 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,510 | jcs | SW 8270C |
| Pyrene | | 9,230 | | ug/kg dw | 08/18/2001 | 947 | 1462 | <3,510 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 47 | | ‡ | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 91 | | ‡ | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 194 | Note | ‡ | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,760 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,760 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C |
| 2-Chlorophenol | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <351 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C |

ANALYTICAL REPORT

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6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|--------------------------|----------|------------|-------|----------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 699311 | SBI002:GB-12:S000020:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 10:10 |
| 2,4-Dimethylphenol | <351 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| 2-Methyl-4,6-dinitrophenol | <351 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| 2-Methylphenol | <351 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| meta & para-Methylphenol | <351 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| 2-Nitrophenol | <351 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| Pentachlorophenol | <351 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| Phenol | 529 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| 2,4,5-Trichlorophenol | <351 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| 2,4,6-Trichlorophenol | <351 | ug/kg dw | 08/17/2001 | 947 | 1461 | <351 | dmg | SW 8270C | | |
| Surrogate: d6-Phenol | 74 | % | 08/17/2001 | 947 | 1461 | | dmg | SW 8270C | | |
| Surrogate: 2-Fluorophenol | 66 | % | 08/17/2001 | 947 | 1461 | | dmg | SW 8270C | | |
| Surrogate: Tribromophenol | 72 | % | 08/17/2001 | 947 | 1461 | | dmg | SW 8270C | | |
| PCB's M 8082, Non-Aq | | | | | | | | | | |
| Aroclor 1016 | <0.53 | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | fdc | SW 8082 | | |
| Aroclor 1221 | <0.53 | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | fdc | SW 8082 | | |
| Aroclor 1232 | <0.53 | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | fdc | SW 8082 | | |
| Aroclor 1242 | <0.53 | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | fdc | SW 8082 | | |
| Aroclor 1248 | <0.53 | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | fdc | SW 8082 | | |
| Aroclor 1254 | <0.53 | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | fdc | SW 8082 | | |
| Aroclor 1260 | <0.53 | mg/kg dw | 08/20/2001 | 103 | 187 | <0.53 | fdc | SW 8082 | | |
| Surrogate:TCX/DCB | 131/90 | note % | 08/20/2001 | 103 | 187 | | fdc | SW 8082 | | |
| TPH - FTIR Non-aq | 3,510 | mg/kg dw | 08/16/2001 | 589 | 621 | <53 | 110 | 418.1 | | |

ANALYTICAL REPORT

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6130 Wilcox Rd.
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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699312 | SBI002:HMW26S:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 11:40 |
| Dry Weight | 91.6 | * | | | 08/17/2001 | | 1479 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/17/2001 | | 1232 | Complete | emd | SW 6010B |
| Arsenic, ICP | <7.2 | mg/kg dw | | | 08/17/2001 | 903 | 2960 | <7.2 | emd | SW 6010B |
| Barium, ICP | 37 | mg/kg dw | | | 08/17/2001 | 903 | 2891 | <1.4 | emd | SW 6010B |
| Cadmium, ICP | <2.2 | mg/kg dw | | | 08/17/2001 | 903 | 2873 | <2.2 | emd | SW 6010B |
| Chromium, ICP | 9.2 | mg/kg dw | | | 08/17/2001 | 903 | 2861 | <2.8 | emd | SW 6010B |
| Lead, ICP | 21.9 | mg/kg dw | | | 08/17/2001 | 903 | 2862 | <5.8 | emd | SW 6010B |
| Mercury, CVAA | 0.021 | mg/kg dw | | | 08/17/2001 | 607 | 624 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <7.2 | mg/kg dw | | | 08/17/2001 | 903 | 2940 | <7.2 | emd | SW 6010B |
| Silver, ICP | <2.8 | mg/kg dw | | | 08/17/2001 | 903 | 2893 | <2.8 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/15/2001 | 903 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/14/2001 | 607 | | Complete | epk | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/14/2001 | 947 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/14/2001 | | 1462 | Complete | bmh | |
| Acetone | <109 | ug/kg dw | | | 08/14/2001 | | 1462 | <109 | bmh | SW 8260A |
| Benzene | <5.5 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| tert-Butylbenzene | <5.5 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| sec-Butylbenzene | <5.5 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| n-Butylbenzene | <5.5 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Bromochloromethane | <5.5 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Bromodichloromethane | <5.5 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Bromoform | <5.5 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Bromobenzene | <5.5 | ug/kg dw | | | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699312 | SBI002:HMW26S:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 11:40 |
| 2-Butanone (MEK) | | <55 | | ug/kg dw | 08/14/2001 | 1462 | | <55 | bmh | SW 8260A |
| Carbon disulfide | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Chlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Chloroethane | | <10.9 | | ug/kg dw | 08/14/2001 | 1462 | | <10.9 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Chloroform | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Chloromethane | | <10.9 | | ug/kg dw | 08/14/2001 | 1462 | | <10.9 | bmh | SW 8260A |
| Dibromochloromethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Dibromomethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699312 | SBI002:HMW26S:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 11:40 |
| | cis-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Ethylbenzene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | n-Hexane | <21.8 | | ug/kg dw | 08/14/2001 | 1462 | | <21.8 | bmh | SW 8260A |
| | 2-Hexanone | <54.6 | | ug/kg dw | 08/14/2001 | 1462 | | <54.6 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Bromomethane | <10.9 | | ug/kg dw | 08/14/2001 | 1462 | | <10.9 | bmh | SW 8260A |
| | Methylene Chloride | <10.9 | | ug/kg dw | 08/14/2001 | 1462 | | <10.9 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <54.6 | | ug/kg dw | 08/14/2001 | 1462 | | <54.6 | bmh | SW 8260A |
| | n-Propylbenzene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Styrene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Naphthalene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Tetrachloroethene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Toluene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Trichloroethene | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.5 | | ug/kg dw | 08/14/2001 | 1462 | | <5.5 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699312 | SBI002:HMW26S:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 11:40 |
| 1,2,4-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Vinyl Acetate | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/14/2001 | | 1462 | <2.2 | bmh | SW 8260A |
| Xylenes, Total | | <5.5 | | ug/kg dw | 08/14/2001 | | 1462 | <5.5 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 106 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 92 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 91 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 95 | | % | 08/14/2001 | | 1462 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Acenaphthylene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Anthracene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Benzo(a)anthracene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Benzo(a)pyrene | | <180 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <180 | jrw | SW 8270C |
| Benzyl alcohol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Bis(2-chloroethyl)ether | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699312 | SBI002:HMW26S:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 11:40 |
| 4-Chloroaniline | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Chrysene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <180 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <180 | jrw | SW 8270C |
| Dibenzofuran | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <721 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <721 | jrw | SW 8270C |
| Diethyl phthalate | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Dimethyl phthalate | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Di-n-octylphthalate | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Fluoranthene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Fluorene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Hexachlorobenzene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <721 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <721 | jrw | SW 8270C |
| Hexachloroethane | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Isophorone | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Naphthalene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Nitrobenzene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699312 | SBI002:HMW26S:S015025:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 11:40 |
| Phenanthrene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Pyrene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 58 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 79 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 153 | Note | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,800 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <1,800 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2-Chlorophenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2-Methylphenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| meta & para-Methylphenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2-Nitrophenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Pentachlorophenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Phenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <360 | | ug/kg dw | 08/17/2001 | 947 | 1461 | <360 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 76 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 71 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 59 | | % | 08/17/2001 | 947 | 1461 | | jrw | SW 8270C |
| TPH - GRO (Non-Aqueous) | | <5 | | mg/kg dw | 08/13/2001 | | 246 | <5 | meh | SW 8015M |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699313 | SBI002:FB-1:W080901:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 17:15 |
| ICPMS TOTAL METALS | | Complete | | | 08/17/2001 | | 2458 | Complete | kmb | SW 6020 |
| Arsenic, ICPMS | | <0.0050 | | mg/L | 08/17/2001 | 1802 | 3562 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | | <0.0050 | | mg/L | 08/17/2001 | 1802 | 3771 | <0.0050 | kmb | SW 6020 |
| Cadmium, ICPMS | | <0.0010 | | mg/L | 08/17/2001 | 1802 | 3441 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | | <0.0050 | | mg/L | 08/17/2001 | 1802 | 3824 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | | <0.0010 | | mg/L | 08/17/2001 | 1802 | 3519 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | | <0.0002 | | mg/L | 08/16/2001 | 1365 | 1308 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | | <0.0050 | | mg/L | 08/21/2001 | 730 | 557 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | | <0.0005 | | mg/L | 08/17/2001 | 1802 | 3776 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | | Complete | | | 08/15/2001 | 1802 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | | Complete | | | 08/10/2001 | 730 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | | Complete | | | 08/15/2001 | 1365 | | Complete | clm | SW 7470A |
| Prep, Base Neutral | | Complete | | | 08/13/2001 | 1255 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | | Complete | | | 08/13/2001 | 1255 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, PCBs Aqueous 8082 | | Complete | | | 08/13/2001 | 55 | | Complete | mlr | SW 3510C; SW 3520C |
| Prep, TPH - 418.1 aq | | COMPLETE | | | 08/15/2001 | 593 | | Complete | 110 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 08/15/2001 | | 3487 | Complete | bmh | |
| Acetone | | <20.0 | | ug/L | 08/15/2001 | | 3487 | <20.0 | bmh | SW 8260A |
| Benzene | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| tert-Butylbenzene | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| sec-Butylbenzene | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| n-Butylbenzene | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Bromochloromethane | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|-------|------------|--------|--------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| | | | | | | Number | Number | Limit | | |
| 699313 | SBI002:FB-1:W080901:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 17:15 |
| Bromodichloromethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Bromoform | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Bromobenzene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 08/15/2001 | 3487 | | <12.5 | bmh | SW 8260A |
| Carbon disulfide | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Carbon tetrachloride | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Chlorobenzene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Chloroethane | | <5.0 | | ug/L | 08/15/2001 | 3487 | | <5.0 | bmh | SW 8260A |
| 2-Chlorotoluene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 4-Chlorotoluene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Chloroform | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Chloromethane | | <5.0 | | ug/L | 08/15/2001 | 3487 | | <5.0 | bmh | SW 8260A |
| Dibromochloromethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Dibromomethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 08/15/2001 | 3487 | | <5.0 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 08/15/2001 | 3487 | | <1.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699313 | SBI002:FB-1:W080901:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 17:15 |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| Ethylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| Hexachlorobutadiene | | <5.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <5.0 | bmh | SW 8260A |
| n-Hexane | | <5.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <5.0 | bmh | SW 8260A |
| 2-Hexanone | | <12.5 | | ug/L | 08/15/2001 | 3487 | 3487 | <12.5 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| p-Isopropyltoluene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| Bromomethane | | <5.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <5.0 | bmh | SW 8260A |
| Methylene Chloride | | <5.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <5.0 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <5.0 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 08/15/2001 | 3487 | 3487 | <12.5 | bmh | SW 8260A |
| n-Propylbenzene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| Styrene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| Naphthalene | | <5.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <5.0 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <5.0 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/15/2001 | 3487 | 3487 | <1.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699313 | SBI002:FB-1:W080901:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 17:15 |
| Trichloroethene | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 103 | | % | 08/15/2001 | | 3487 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 104 | | % | 08/15/2001 | | 3487 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 95 | | % | 08/15/2001 | | 3487 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 102 | | % | 08/15/2001 | | 3487 | | bmh | SW 8260A |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Anthracene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| bis(2-Chloroethyl) ether | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |

ANALYTICAL REPORT

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 699313 | SBI002:FB-1:W080901:412 | | | | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Chrysene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 08/20/2001 | 1255 | 2658 | <50 | dmg | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Fluorene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 08/20/2001 | 1255 | 2658 | <20 | dmg | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| | Isophorone | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 699313 | SBI002:FB-1:W080901:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 17:15 |
| Naphthalene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Pyrene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 64 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 70 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 71 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 08/20/2001 | 1255 | 2658 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Phenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 08/20/2001 | 1255 | 2658 | <10 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 58 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |

ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|-------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| | | | | | | | | Limit | | |
| 699313 | SBI002:FB-1:W080901:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 17:15 |
| Surrogate: 2-Fluorophenol | | 55 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 52 | | % | 08/20/2001 | 1255 | 2658 | | dmg | SW 8270C |
| PCB's M 8082. Aqueous | | | | | | | | | | |
| Aroclor 1016 | | <0.20 | | ug/L | 08/16/2001 | 55 | 101 | <0.20 | mrh | SW 8082 |
| Aroclor 1221 | | <0.20 | | ug/L | 08/16/2001 | 55 | 101 | <0.20 | mrh | SW 8082 |
| Aroclor 1232 | | <0.20 | | ug/L | 08/16/2001 | 55 | 101 | <0.20 | mrh | SW 8082 |
| Aroclor 1242 | | <0.20 | | ug/L | 08/16/2001 | 55 | 101 | <0.20 | mrh | SW 8082 |
| Aroclor 1248 | | <0.20 | | ug/L | 08/16/2001 | 55 | 101 | <0.20 | mrh | SW 8082 |
| Aroclor 1254 | | <0.20 | | ug/L | 08/16/2001 | 55 | 101 | <0.20 | mrh | SW 8082 |
| Aroclor 1260 | | <0.20 | | ug/L | 08/16/2001 | 55 | 101 | <0.20 | mrh | SW 8082 |
| Surrogate:DCB/TCX | | 86/54 | | % | 08/16/2001 | 55 | 101 | | mrh | SW 8082 |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 08/14/2001 | | 79 | <1 | meh | SW 8015M |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 08/16/2001 | 593 | 712 | <0.2 | 110 | EPA 418.1 |

ANALYTICAL REPORT

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08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 699314 | SBI002:TB-1:W080901:412 | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/15/2001 | | 3487 | Complete | bmh | |
| Acetone | <20.0 | ug/L | | | 08/15/2001 | | 3487 | <20.0 | bmh | SW 8260A |
| Benzene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| tert-Butylbenzene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| sec-Butylbenzene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| n-Butylbenzene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Bromochloromethane | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Bromodichloromethane | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Bromoform | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Bromobenzene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 08/15/2001 | | 3487 | <12.5 | bmh | SW 8260A |
| Carbon disulfide | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Carbon tetrachloride | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Chlorobenzene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Chloroethane | <5.0 | ug/L | | | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| 2-Chlorotoluene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| 4-Chlorotoluene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Chloroform | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Chloromethane | <5.0 | ug/L | | | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| Dibromochloromethane | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Dibromomethane | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |

ANALYTICAL REPORT

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 699314 | SBI002:TB-1:W080901:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 17:15 |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Ethylbenzene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | n-Hexane | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | 2-Hexanone | <12.5 | | ug/L | 08/15/2001 | | 3487 | <12.5 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | p-Isopropyltoluene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Bromomethane | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | Methylene Chloride | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 08/15/2001 | | 3487 | <12.5 | bmh | SW 8260A |
| | n-Propylbenzene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Styrene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/27/2001

Job Number: 01.14452

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 699314 | SBI002:TB-1:W080901:412 | | | | | | | | | DATE/TIME TAKEN 08/09/2001 17:15 |
| | naphthalene | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Tetrachloroethene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Toluene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Trichloroethene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Trichlorofluoromethane | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Vinyl Acetate | <5.0 | | ug/L | 08/15/2001 | | 3487 | <5.0 | bmh | SW 8260A |
| | Vinyl Chloride | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | Xylenes | <1.0 | | ug/L | 08/15/2001 | | 3487 | <1.0 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 104 | | % | 08/15/2001 | | 3487 | | bmh | SW 8260A |
| | Dibromofluoromethane (surr) | 104 | | % | 08/15/2001 | | 3487 | | bmh | SW 8260A |
| | d8-Toluene (surr) | 95 | | % | 08/15/2001 | | 3487 | | bmh | SW 8260A |
| | Bromofluorobenzene (surr) | 103 | | % | 08/15/2001 | | 3487 | | bmh | SW 8260A |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.14452

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 01.14452

Sample Number: 699304 (10X dilution)

Analysis: 8270 BNA

Due to elevated levels of non-target compounds, the d12-perylene internal standard was below the recommended response level. The result for benzo(b)fluoranthene should be considered an estimate.

Recovery of acid surrogate, 2,5,6-tribromophenol was below the recommended range.

Sample Number: 699310 (10X dilution)

Analysis: 8270 BNA

After an initial, undiluted analysis yielded severe, multiple internal standard and surrogate failures, and mass-spectral interferences, a ten fold dilution was performed. Data is reported from this analysis, with reporting limits elevated accordingly. The d12-perylene internal standard was below the recommended response levels for this analysis, also. Results for the following should be considered estimates:

- benzo(b)fluoranthene
- benzo(k)fluoranthene
- benzo(a)pyrene
- indeno(1,2,3-c,d)pyrene

The surrogates, 2-fluorobiphenyl and d14-p-terphenyl, were above the recommended % recovery criteria. The acid-fraction surrogates were diluted below their reporting limits.

Sample Number: 699311 (10X dilution)

Analysis: 8270 BNA

Due to elevated levels of non-target compounds, the d12-perylene internal standard was below the recommended response level. The result for benzo(b)fluoranthene should be considered an estimate.

Sample Number: 699305, 699303

Analysis: 8270 soils

Due to the nature of the sample matrix, recovery of internal standard, d12-Perylene was below the recommended 50-200% range. The results for benzo(b)fluoranthene and benzo(a)pyrene should be considered an estimate.

NOTES AND COMMENTS

TestAmerica Job Number: 01.14452

Analysis: 8082 Soil PCBs

Sample Numbers: 699309, 699310, 699311

The MB for these samples was accidentally spiked with the LCS spike instead of the surrogate spike. No Arochlor hits, above the reporting limits, were seen in the samples.

Sample Number: 699297, 699299, 699300

Analysis: 8270 soils

Recovery of d12-Perylene was below the recommended 50-200% range. However, no target analytes were detected above the reporting limit.

Sample Number: 699301, 699302, 699307, 699309

Analysis: 8270 soils

Due to the nature of the sample matrix, recovery of d12-Perylene was below the recommended 50-200% range. Results for benzo(b)fluoranthene, benzo(k)fluoranthene and benzo(a)pyrene should be considered estimates.

Sample Number: 699312

Analysis: 8270 soils

Due to the nature of the sample matrix, recovery of d12-Perylene was below the recommended 50-200% range. Recovery of surrogate d14-p-Terphenyl exceeded the recommended range of 18-137, mostly likely as a result of the low internal standard recovery. No detections above the reporting limits were noted.

Sample Number: 699304, 699306

Analysis: 8270 soils

Due to the nature of the sample matrix, recovery of d12-Perylene was below the recommended 50-200% range. Recovery of d14-p-Terphenyl exceeded the recommended range of 18-137%, most likely as a result of the low internal standard recovery. Results reported for benzo(b)fluoranthene, benzo(k)fluoranthene and benzo(a)pyrene should be considered estimates. For sample 699304, recovery of acid surrogate 2,4,6-Tribromophenol was below the recommended range of 19-122%.

NOTES AND COMMENTS

TestAmerica Job Number: 01.14452

Sample Number: 699311

Analysis: 8270 soils

Due to the nature of the sample matrix, recovery of d12-Perylene was below the recommended 50-200% range. Recovery of d14-p-Terphenyl exceeded the recommended range of 18-137%, most likely as a result of the low internal standard recovery. Results reported for benzo(b)fluoranthene, benzo(k)fluoranthene and benzo(a)pyrene should be considered estimates.

Sample Number: 699313

Analysis: PCB's 8082

The matrix spike duplicate associated with this prep batch was not surrogated. However, acceptable extraction recovery is confirmed by the spike recoveries.

1.14452

CHAIN OF CUSTODY RECORD

Hull & Associates, Inc.
 6130 Wilcox Road
 Dublin, Ohio 43016
 Phone: (614)385-8777
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□ Warrensville Heights
 4949 Galaxy Parkway, Suite 5
 Warrensville Heights, Ohio 44128
 Phone: (216)514-7100
 Fax: (216)514-7104

REPORT TO: Kevin W. Duman

Client: South Bend
 Site: Area A
 Project#: SB1002 Phase: 01.TST
 Samplers: M. Luffare

| ANALYSES | PRESERVATIVES |
|---------------|---------------|
| TPH Gms | |
| 418.1 | |
| Vocs - 8260 | |
| 8270 | |
| Metals - ZARA | |

SAMPLE TYPES
 A - AIR
 C - SEDIMENT
 D - GROUNDWATER
 E - SOIL/PRODUCT
 W - WATER
 Z - OTHERS
 All samples are kept at 4°C.

PRESERVATIVES
 A - Cool only, <4°C
 B - HNO₃ pH<2
 C - H₂SO₄ pH<2
 D - NaOH pH>12
 E - Zinc acetate + NaOH, pH>9
 F - Na₂S₂O₅ (0.008%)
 G - HCl, pH<2

METALS
 F - FILTERED
 B - BOTH

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | METALS | SAMPLING DATE/TIME | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------|--------------------|----------|
| SB1002 | GB-14 | S 015025 | 412 | 1 | N | 8-8-01 1520 | ✓ |
| SB1002 | GB-5 | S 015025 | 412 | 1 | N | 8-8-01 1515 | ✓ |
| SB1002 | SB-5 | S 000015 | 412 | 4 | N | 8-8-01 1145 | ✓ |
| SB1002 | GB-8 | S 000015 | 412 | 3 | N | 8-8-01 1055 | ✓ |
| SB1002 | GB-13 | S 010020 | 412 | 2 | N | 8-8-01 1030 | ✓ |
| SB1002 | GB-3 | S 005020 | 412 | 17 | N | 8-8-01 955 | ✓ |
| SB1002 | GB-3D | S 005020 | 412 | 1 | N | 8-8-01 955 | ✓ |
| SB1002 | GB-32 | S 000015 | 412 | 1 | N | 8-8-01 915 | ✓ |
| SB1002 | GB-19 | S 000010 | 412 | 1 | N | 8-8-01 805 | ✓ |
| SB1002 | GB-1 | S 000010 | 412 | 1 | N | 8-9-01 805 | ✓ |
| SB1002 | GB-1D | S 000010 | 412 | 1 | N | 8-9-01 805 | ✓ |
| SB1002 | GB-2 | S 010015 | 412 | 1 | N | 8-9-01 845 | ✓ |

Deliver To: Samples RECEIVING
 Method of Delivery: FED EX
 Airbill Number: 826265968028
 NOTES: _____
 TURN AROUND TIME: STD DAYS

| RELINQUISHED BY: | DATE: | TIME: | RECEIVED BY: | DATE: | TIME: |
|-----------------------|--------|-------|---------------|---------|-------|
| <u>Michael Corfme</u> | 8-9-01 | 1130 | <u>FED EX</u> | 8-10-01 | 9-30 |
| RELINQUISHED BY: | DATE: | TIME: | RECEIVED BY: | DATE: | TIME: |
| RELINQUISHED BY: | DATE: | TIME: | RECEIVED BY: | DATE: | TIME: |

DISTRIBUTION:
 WHITE - MUST BE RETURNED WITH REPORT
 YELLOW - LAB USE
 PINK - RETAINED BY IIA

)

)

)

SBS002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14950


Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 700809 | SBI002:HMW13D:S005020:428 | 08/14/2001 | 08/17/2001 |
| 700810 | SBI002:HMW35S:S000020:428 | 08/16/2001 | 08/17/2001 |
| 700811 | SBI002:HMW35SD:S02020:428 | 08/16/2001 | 08/17/2001 |
| 700812 | SBI002:FB1:W081601:428 | 08/16/2001 | 08/17/2001 |
| 700813 | SBI002:TB1:W081601:428 | 08/16/2001 | 08/17/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 700809 | SBI002:HMW13D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 12:50 |
| Dry Weight | 89.3 | % | | | 08/23/2001 | | 1483 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 08/23/2001 | | 1245 | Complete | emd | SW 6010B |
| Arsenic, ICP | 5.21 | mg/kg dw | | | 08/23/2001 | 907 | 2975 | <3.7 | emd | SW 6010B |
| Barium, ICP | 156 | mg/kg dw | | | 08/23/2001 | 907 | 2906 | <0.74 | emd | SW 6010B |
| Cadmium, ICP | <1.1 | mg/kg dw | | | 08/23/2001 | 907 | 2888 | <1.1 | emd | SW 6010B |
| Chromium, ICP | 5.02 | mg/kg dw | | | 08/23/2001 | 907 | 2876 | <1.5 | emd | SW 6010B |
| Lead, ICP | 230 | mg/kg dw | | | 08/23/2001 | 907 | 2877 | <3.0 | emd | SW 6010B |
| Mercury, CVAA | 0.121 | mg/kg dw | | | 08/24/2001 | 613 | 631 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <3.7 | mg/kg dw | | | 08/23/2001 | 907 | 2955 | <3.7 | emd | SW 6010B |
| Silver, ICP | <1.5 | mg/kg dw | | | 08/23/2001 | 907 | 2908 | <1.5 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/22/2001 | 907 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/19/2001 | | 1473 | Complete | bmh | |
| Acetone | <112 | ug/kg dw | | | 08/19/2001 | | 1473 | <112 | bmh | SW 8260A |
| Benzene | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| tert-Butylbenzene | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| sec-Butylbenzene | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| n-Butylbenzene | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| Bromochloromethane | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| Bromodichloromethane | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| Bromoform | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| Bromobenzene | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| 2-Butanone (MEK) | <5.6 | ug/kg dw | | | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700809 | SBI002:HMW13D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 12:50 |
| | Carbon disulfide | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Carbon tetrachloride | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Chlorobenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Chloroethane | <11.2 | | ug/kg dw | 08/19/2001 | | 1473 | <11.2 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 4-Chlorotoluene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Chloroform | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Chloromethane | <11.2 | | ug/kg dw | 08/19/2001 | | 1473 | <11.2 | bmh | SW 8260A |
| | Dibromochloromethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Dibromomethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700809 | SBI002:HMW13D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/14/2001 12:50 |
| | trans-1,3-Dichloropropene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Ethylbenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | n-Hexane | <22.4 | | ug/kg dw | 08/19/2001 | | 1473 | <22.4 | bmh | SW 8260A |
| | 2-Hexanone | <56.0 | | ug/kg dw | 08/19/2001 | | 1473 | <56.0 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Bromomethane | <11.2 | | ug/kg dw | 08/19/2001 | | 1473 | <11.2 | bmh | SW 8260A |
| | Methylene Chloride | <11.2 | | ug/kg dw | 08/19/2001 | | 1473 | <11.2 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <56.0 | | ug/kg dw | 08/19/2001 | | 1473 | <56.0 | bmh | SW 8260A |
| | n-Propylbenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Styrene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Naphthalene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Tetrachloroethene | 65.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Toluene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Trichloroethene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,2,3-Trichloropropane | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |
| | 1,2,4-Trimethylbenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|------------|------------------------------|----------|------|----------|---------------|--------------|--------------|-------------------|------------------|
| | | | | | | Batch Number | Batch Number | | |
| 700809 | SBI002:HMW13D:S005020:428 | | | | | | | | |
| | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | 08/14/2001 12:50 |
| | ,3,5-Trimethylbenzene | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh SW 8260A |
| | Vinyl Acetate | <5.6 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh SW 8260A |
| | Vinyl Chloride | <2.2 | | ug/kg dw | 08/19/2001 | | 1473 | <2.2 | bmh SW 8260A |
| | Xylenes, Total | 7.1 | | ug/kg dw | 08/19/2001 | | 1473 | <5.6 | bmh SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 90 | | % | 08/19/2001 | | 1473 | | bmh SW 8260A |
| | Dibromofluoromethane (surr) | 67 | Note | % | 08/19/2001 | | 1473 | | bmh SW 8260A |
| | d8-Toluene (surr) | 113 | | % | 08/19/2001 | | 1473 | | bmh SW 8260A |
| | Bromofluorobenzene (surr) | 119 | | % | 08/19/2001 | | 1473 | | bmh SW 8260A |
| 700810 | SBI002:HMW35S:S000020:428 | | | | | | | | |
| | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | 08/16/2001 11:45 |
| | Dry Weight | 93.3 | | % | 08/23/2001 | | 1483 | | mhg SM 2540 G. |
| | ICP NONAQUEOUS | Complete | | | 08/23/2001 | | 1245 | Complete | emd SW 6010B |
| | Arsenic, ICP | <7.0 | | mg/kg dw | 08/23/2001 | 907 | 2975 | <0.11 | emd SW 6010B |
| | Barium, ICP | 56.8 | | mg/kg dw | 08/23/2001 | 907 | 2906 | <0.70 | emd SW 6010B |
| | Cadmium, ICP | <1.1 | | mg/kg dw | 08/23/2001 | 907 | 2888 | <1.1 | emd SW 6010B |
| | Chromium, ICP | 6.72 | | mg/kg dw | 08/23/2001 | 907 | 2876 | <1.4 | emd SW 6010B |
| | Lead, ICP | 75.9 | | mg/kg dw | 08/23/2001 | 907 | 2877 | <2.8 | emd SW 6010B |
| | Mercury, CVAA | 0.411 | | mg/kg dw | 08/24/2001 | 613 | 631 | <0.009 | epk SW 7471A |
| | Selenium, ICP | <3.4 | | mg/kg dw | 08/23/2001 | 907 | 2955 | <3.4 | emd SW 6010B |
| | Silver, ICP | <1.4 | | mg/kg dw | 08/23/2001 | 907 | 2908 | <1.4 | emd SW 6010B |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|---------|----------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700810 | SBI002:HMW35S:S000020:428 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 08/16/2001 11:45 |
| ICP Digestion, Nonaqueous | Complete | | | | 08/22/2001 | 907 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/24/2001 | 613 | | Complete | clm | SW 7471A |
| Prep, BNA Non-Aq | Complete | | | | 08/21/2001 | 952 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/19/2001 | 1473 | | Complete | bmh | |
| Acetone | <107 | ug/kg | dw | | 08/19/2001 | 1473 | | <107 | bmh | SW 8260A |
| Benzene | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| tert-Butylbenzene | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| sec-Butylbenzene | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| n-Butylbenzene | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Bromochloromethane | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Bromodichloromethane | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Bromoform | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Bromobenzene | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| 2-Butanone (MEK) | <54 | ug/kg | dw | | 08/19/2001 | 1473 | | <54 | bmh | SW 8260A |
| Carbon disulfide | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Carbon tetrachloride | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Chlorobenzene | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Chloroethane | <10.7 | ug/kg | dw | | 08/19/2001 | 1473 | | <10.7 | bmh | SW 8260A |
| 2-Chlorotoluene | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| 4-Chlorotoluene | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Chloroform | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |
| Chloromethane | <10.7 | ug/kg | dw | | 08/19/2001 | 1473 | | <10.7 | bmh | SW 8260A |
| Dibromochloromethane | <5.4 | ug/kg | dw | | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 700810 | SBI002:HMW35S:S000020:428 | | | | | | | | | | 08/16/2001 11:45 |
| | Bromomethane | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | Dichlorodifluoromethane | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,2-Dibromo-3-chloropropane | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,2-Dichlorobenzene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,3-Dichlorobenzene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,4-Dichlorobenzene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,1-Dichloroethane | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,2-Dichloroethane | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,1-Dichloroethene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | cis-1,2-Dichloroethene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | trans-1,2-Dichloroethene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,2-Dichloropropane | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,3-Dichloropropane | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 2,2-Dichloropropane | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | 1,1-Dichloropropene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | cis-1,3-Dichloropropene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | trans-1,3-Dichloropropene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | Ethylbenzene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | Hexachlorobutadiene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | n-Hexane | <21.4 | | ug/kg dw | 08/19/2001 | 1473 | | <21.4 | bmh | SW 8260A | |
| | 2-Hexanone | <53.6 | | ug/kg dw | 08/19/2001 | 1473 | | <53.6 | bmh | SW 8260A | |
| | Isopropylbenzene (Cumene) | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | p-Isopropyltoluene | <5.4 | | ug/kg dw | 08/19/2001 | 1473 | | <5.4 | bmh | SW 8260A | |
| | Bromomethane | <10.7 | | ug/kg dw | 08/19/2001 | 1473 | | <10.7 | bmh | SW 8260A | |
| | Methylene Chloride | <10.7 | | ug/kg dw | 08/19/2001 | 1473 | | <10.7 | bmh | SW 8260A | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|---------------------------|----------|------------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700810 | SBI002:HMW35S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 11:45 |
| Methyl t-butyl ether (MTBE) | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 4-Methyl-2-pentanone (MIBK) | <53.6 | ug/kg dw | 08/19/2001 | 1473 | <53.6 | bmh | SW 8260A | | | |
| n-Propylbenzene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| Styrene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| Naphthalene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 1,1,1,2-Tetrachloroethane | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 1,1,2,2-Tetrachloroethane | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| Tetrachloroethene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| Toluene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 1,2,4-Trichlorobenzene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 1,1,1-Trichloroethane | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 1,1,2-Trichloroethane | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| Trichloroethene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| Trichlorofluoromethane | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 1,2,3-Trichloropropane | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 1,2,4-Trimethylbenzene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| 1,3,5-Trimethylbenzene | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| Vinyl Acetate | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| Vinyl Chloride | <2.1 | ug/kg dw | 08/19/2001 | 1473 | <2.1 | bmh | SW 8260A | | | |
| Xylenes, Total | <5.4 | ug/kg dw | 08/19/2001 | 1473 | <5.4 | bmh | SW 8260A | | | |
| d4-1,2-Dichloroethane (surr) | 85 | % | 08/19/2001 | 1473 | | bmh | SW 8260A | | | |
| Dibromofluoromethane (surr) | 92 | % | 08/19/2001 | 1473 | | bmh | SW 8260A | | | |
| d8-Toluene (surr) | 102 | % | 08/19/2001 | 1473 | | bmh | SW 8260A | | | |
| Bromofluorobenzene (surr) | 97 | % | 08/19/2001 | 1473 | | bmh | SW 8260A | | | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700810 | SBI002:HMW35S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 11:45 |
| SE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Acenaphthylene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Anthracene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzo(a)anthracene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzo(a)pyrene | | <177 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <177 | jrjw | SW 8270C |
| Benzyl alcohol | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Bis(2-chloroethyl)ether | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Bis(2-chloroethoxy)methane | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Bis(2-ethylhexyl)phthalate | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 4-Chloroaniline | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Chrysene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| Dibenzo(a,h)anthracene | | <177 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <177 | jrjw | SW 8270C |
| Dibenzofuran | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 1,2-Dichlorobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 1,3-Dichlorobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 1,4-Dichlorobenzene | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <707 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <707 | jrjw | SW 8270C |
| Diethyl phthalate | | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|------------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700810 | SBI002:HMW35S:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 11:45 |
| Dimethyl phthalate | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| 2,4-Dinitrotoluene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| 2,6-Dinitrotoluene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Di-n-octylphthalate | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Fluoranthene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Fluorene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Hexachlorobenzene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Hexachloro-1,3-butadiene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Hexachlorocyclopentadiene | <707 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <707 | jrw | SW 8270C | |
| Hexachloroethane | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Indeno(1,2,3-cd)pyrene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Isophorone | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Naphthalene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Nitrobenzene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| N-Nitrosodi-n-propylamine | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Phenanthrene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Pyrene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| 1,2,4-Trichlorobenzene | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| Surrogate: d5-Nitrobenzene | 82 | % | | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorobiphenyl | 90 | % | | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| Surrogate: d14-Terphenyl | 91 | % | | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | <1,770 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <1,770 | jrw | SW 8270C | |
| 4-Chloro-3-methylphenol | <354 | ug/kg | dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|----------------------------|----------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 700810 | SBI002:HMW35S:S000020:428 | | | | | | | | | | 08/16/2001 11:45 |
| | Chlorophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2,4-Dichlorophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2,4-Dimethylphenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2-Methylphenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | meta & para-Methylphenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2-Nitrophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Pentachlorophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Phenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2,4,5-Trichlorophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | 2,4,6-Trichlorophenol | <354 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <354 | jrw | SW 8270C | |
| | Surrogate: d6-Phenol | 73 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 64 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| | Surrogate: Tribromophenol | 87 | | % | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C | |
| 700811 | SBI002:HMW35SD:S02020:428 | | | | | | | | | | 08/16/2001 11:45 |
| | Dry Weight | 93.9 | | % | 08/23/2001 | | 1483 | | mhg | SM 2540 G. | |
| | ICP NONAQUEOUS | Complete | | | 08/23/2001 | | 1245 | Complete | emd | SW 6010B | |
| | Arsenic, ICP | 6.08 | | mg/kg dw | 08/23/2001 | 907 | 2975 | <3.5 | emd | SW 6010B | |
| | Barium, ICP | 59.7 | | mg/kg dw | 08/23/2001 | 907 | 2906 | <0.70 | emd | SW 6010B | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Limit | Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-------------------|----------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 700811 | SBI002:HMW35SD:S02020:428 | | | | | | | | | | DATE/TIME TAKEN 08/16/2001 11:45 |
| Cadmium, ICP | | <1.0 | | mg/kg dw | 08/23/2001 | 907 | 2888 | | <1.0 | emd | SW 6010B |
| Chromium, ICP | | 7.72 | | mg/kg dw | 08/23/2001 | 907 | 2876 | | <1.4 | emd | SW 6010B |
| Lead, ICP | | 97.4 | | mg/kg dw | 08/23/2001 | 907 | 2877 | | <2.8 | emd | SW 6010B |
| Mercury, CVAA | | 0.394 | | mg/kg dw | 08/24/2001 | 613 | 631 | | <0.009 | epk | SW 7471A |
| Selenium, ICP | | <3.5 | | mg/kg dw | 08/23/2001 | 907 | 2955 | | <3.5 | emd | SW 6010B |
| Silver, ICP | | <1.4 | | mg/kg dw | 08/23/2001 | 907 | 2908 | | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/22/2001 | 907 | | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/24/2001 | 613 | | | Complete | clm | SW 7471A |
| Prep, BNA Non-Aq | | Complete | | | 08/21/2001 | 952 | | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/20/2001 | | 1473 | | Complete | bmh | |
| Acetone | | <106 | | ug/kg dw | 08/20/2001 | | 1473 | | <106 | bmh | SW 8260A |
| Benzene | | <5.3 | ss | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| n-Butylbenzene | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| Bromochloromethane | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| Bromodichloromethane | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| Bromoform | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| Bromobenzene | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <53 | | ug/kg dw | 08/20/2001 | | 1473 | | <53 | bmh | SW 8260A |
| Carbon disulfide | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |
| Chlorobenzene | | <5.3 | ss | ug/kg dw | 08/20/2001 | | 1473 | | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700811 | SBI002:HMW35SD:S02020:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 11:45 |
| | Chloroethane | <10.6 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <10.6 | bmh | SW 8260A |
| | 2-Chlorotoluene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 4-Chlorotoluene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | Chloroform | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | Chloromethane | <10.6 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <10.6 | bmh | SW 8260A |
| | Dibromochloromethane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | Dibromomethane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | Dichlorodifluoromethane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,2-Dichlorobenzene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,3-Dichlorobenzene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,4-Dichlorobenzene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,1-Dichloroethane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | Ethylbenzene | <5.3 | SS | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700811 | SBI002:HMW35SD:S02020:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 11:45 |
| n-Hexane | | <21.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <21.3 | bmh | SW 8260A |
| 2-Hexanone | | <53.2 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <53.2 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Bromomethane | | <10.6 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <10.6 | bmh | SW 8260A |
| Methylene Chloride | | <10.6 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <10.6 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <53.2 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <53.2 | bmh | SW 8260A |
| n-Propylbenzene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Styrene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Naphthalene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Tetrachloroethene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Toluene | | <5.3 | SS | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Trichloroethene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Vinyl Acetate | | <5.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.3 | bmh | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <2.1 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|-------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700811 | SBI002:HMW35SD:S02020:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 11:45 |
| | lenes, Total | <5.3 | | ug/kg dw | 08/20/2001 | | 1473 | <5.3 | bmh | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 87 | | % | 08/20/2001 | | 1473 | | bmh | SW 8260A |
| | Dibromofluoromethane (surr) | 89 | | % | 08/20/2001 | | 1473 | | bmh | SW 8260A |
| | d8-Toluene (surr) | 96 | | % | 08/20/2001 | | 1473 | | bmh | SW 8260A |
| | Bromofluorobenzene (surr) | 90 | | % | 08/20/2001 | | 1473 | | bmh | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| | Acenaphthene | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Acenaphthylene | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Anthracene | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Benzo (a) anthracene | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Benzo (b) fluoranthene | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Benzo (k) fluoranthene | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Benzo (a) pyrene | <176 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <176 | jrjw | SW 8270C |
| | Benzyl alcohol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Benzyl butyl phthalate | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Bis (2-chloroethyl) ether | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Bis (2-chloroethoxy) methane | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Bis (2-ethylhexyl) phthalate | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | 2,2'-oxybis (1-Chloropropane) | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | 4-Chloroaniline | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | 2-Chloronaphthalene | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Chrysene | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrjw | SW 8270C |
| | Dibenzo (a, h) anthracene | <176 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <176 | jrjw | SW 8270C |

ANALYTICAL REPORT

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08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700811 | SBI002:HMW35SD:S02020:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 11:45 |
| Dibenzofuran | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <703 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <703 | jrw | SW 8270C |
| Diethyl phthalate | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Dimethyl phthalate | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Di-n-octylphthalate | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Fluoranthene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Fluorene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Hexachlorobenzene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <703 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <703 | jrw | SW 8270C |
| Hexachloroethane | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Indeno (1,2,3-cd) pyrene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Isophorone | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Naphthalene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Nitrobenzene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Phenanthrene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Pyrene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 85 | | † | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |

ANALYTICAL REPORT

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 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
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Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700811 | SBI002:HMW35SD:S02020:428 | | | | | | | | | |
| | Surrogate: 2-Fluorobiphenyl | 96 | ‡ | | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 93 | ‡ | | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,760 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <1,760 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | 2-Chlorophenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | 2-Methylphenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | meta & para-Methylphenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | 2-Nitrophenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | Pentachlorophenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | Phenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <351 | | ug/kg dw | 08/24/2001 | 952 | 1473 | <351 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 78 | ‡ | | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 68 | ‡ | | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 90 | ‡ | | 08/24/2001 | 952 | 1473 | | jrw | SW 8270C |

DATE/TIME TAKEN
 08/16/2001 11:45

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700812 | SBI002:FB1:W081601:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 16:00 |
| ICPMS TOTAL METALS | Complete | | | | 08/27/2001 | | 2475 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | | | 08/27/2001 | 1810 | 3582 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | <0.0050 | mg/L | | | 08/27/2001 | 1810 | 3791 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | | 08/27/2001 | 1810 | 3461 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | | | 08/27/2001 | 1810 | 3848 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | <0.0010 | mg/L | | | 08/27/2001 | 1810 | 3539 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 08/23/2001 | 1375 | 1317 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 08/20/2001 | 732 | 556 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 08/27/2001 | 1810 | 3793 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 08/23/2001 | 1810 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 08/20/2001 | 732 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 08/23/2001 | 1375 | | Complete | clm | SW 7470A |
| Prep, Base Neutral | Complete | | | | 08/20/2001 | 1258 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 08/20/2001 | 1258 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/22/2001 | | 3513 | Complete | eap | |
| Acetone | <20.0 | ug/L | | | 08/22/2001 | | 3513 | <20.0 | eap | SW 8260A |
| Benzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| tert-Butylbenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| sec-Butylbenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| n-Butylbenzene | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromochloromethane | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromodichloromethane | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromoform | <1.0 | ug/L | | | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 700812 | SBI002:FB1:W081601:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 16:00 |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Ethylbenzene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Hexachlorobutadiene | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | n-Hexane | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | 2-Hexanone | <12.5 | | ug/L | 08/22/2001 | | 3513 | <12.5 | eap | SW 8260A |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | p-Isopropyltoluene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Bromomethane | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | Methylene Chloride | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 08/22/2001 | | 3513 | <12.5 | eap | SW 8260A |
| | n-Propylbenzene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Styrene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Naphthalene | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Tetrachloroethene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Toluene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Trichloroethene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Trichlorofluoromethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700812 | SBI002:FB1:W081601:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 16:00 |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <5.0 | eap | SW 8260A |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| | Vinyl Acetate | <5.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <5.0 | eap | SW 8260A |
| | Vinyl Chloride | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| | Xylenes | <1.0 | | ug/L | 08/22/2001 | 3513 | 3513 | <1.0 | eap | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 104 | | % | 08/22/2001 | 3513 | 3513 | | eap | SW 8260A |
| | Dibromofluoromethane (surr) | 105 | | % | 08/22/2001 | 3513 | 3513 | | eap | SW 8260A |
| | d8-Toluene (surr) | 94 | | % | 08/22/2001 | 3513 | 3513 | | eap | SW 8260A |
| | Bromofluorobenzene (surr) | 96 | | % | 08/22/2001 | 3513 | 3513 | | eap | SW 8260A |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | Anthracene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethyl) ether | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 700812 | SBI002:FB1:W081601:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 16:00 |
| 4-Bromophenyl phenyl ether | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| 4-Chloroaniline | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| 2-Chloronaphthalene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Chrysene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Dibenzofuran | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | <50 | ug/L | | | 08/27/2001 | 1258 | 2666 | <50 | jcs | SW 8270C |
| Diethyl phthalate | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Dimethyl phthalate | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| 2,4-Dinitrotoluene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Di-n-octylphthalate | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Fluoranthene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Fluorene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Hexachlorobenzene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | <20 | ug/L | | | 08/27/2001 | 1258 | 2666 | <20 | jcs | SW 8270C |
| Hexachloroethane | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Isophorone | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Naphthalene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |
| Nitrobenzene | <10 | ug/L | | | 08/27/2001 | 1258 | 2666 | <10 | jcs | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700813 | SBI002:TB1:W081601:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 08/22/2001 | | 3513 | Complete | eap | |
| Acetone | | <20.0 | | ug/L | 08/22/2001 | | 3513 | <20.0 | eap | SW 8260A |
| Benzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| tert-Butylbenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| sec-Butylbenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| n-Butylbenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromochloromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromodichloromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromoform | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromobenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 08/22/2001 | | 3513 | <12.5 | eap | SW 8260A |
| Carbon disulfide | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Carbon tetrachloride | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chlorobenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloroethane | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 2-Chlorotoluene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 4-Chlorotoluene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloroform | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloromethane | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| Dibromochloromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Dibromomethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------------|-------|----------|-------|----------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 700813 | SBI002:TB1:W081601:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 |
| 1,3-Dichlorobenzene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| 1,4-Dichlorobenzene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| 1,1-Dichloroethane | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| 1,2-Dichloroethane | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| 1,1-Dichloroethene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| cis-1,2-Dichloroethene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| trans-1,2-Dichloroethene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| 1,2-Dichloropropane | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| 1,3-Dichloropropane | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| 2,2-Dichloropropane | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| 1,1-Dichloropropene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| cis-1,3-Dichloropropene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| trans-1,3-Dichloropropene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| Ethylbenzene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| Hexachlorobutadiene | <5.0 | ug/L | 08/22/2001 | 3513 | <5.0 | eap | SW 8260A | | | |
| n-Hexane | <5.0 | ug/L | 08/22/2001 | 3513 | <5.0 | eap | SW 8260A | | | |
| 2-Hexanone | <12.5 | ug/L | 08/22/2001 | 3513 | <12.5 | eap | SW 8260A | | | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| p-Isopropyltoluene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| Bromomethane | <5.0 | ug/L | 08/22/2001 | 3513 | <5.0 | eap | SW 8260A | | | |
| Methylene Chloride | <5.0 | ug/L | 08/22/2001 | 3513 | <5.0 | eap | SW 8260A | | | |
| Methyl t-butyl ether (MTBE) | <5.0 | ug/L | 08/22/2001 | 3513 | <5.0 | eap | SW 8260A | | | |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | 08/22/2001 | 3513 | <12.5 | eap | SW 8260A | | | |
| n-Propylbenzene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |
| Styrene | <1.0 | ug/L | 08/22/2001 | 3513 | <1.0 | eap | SW 8260A | | | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

08/30/2001

Job Number: 01.14950

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700813 | SBI002:TB1:W081601:428 | | | | | | | | | DATE/TIME TAKEN 08/16/2001 |
| Naphthalene | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 105 | | % | 08/22/2001 | | 3513 | | eap | SW 8260A |
| Dibromofluoromethane (surr) | | 105 | | % | 08/22/2001 | | 3513 | | eap | SW 8260A |
| d8-Toluene (surr) | | 93 | | % | 08/22/2001 | | 3513 | | eap | SW 8260A |
| Bromofluorobenzene (surr) | | 96 | | % | 08/22/2001 | | 3513 | | eap | SW 8260A |

QUALITY CONTROL FLAG DEFINITIONS

PAGE 27 of 28

Job Number: 01.14950

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.14950

Sample Number: 700809

Analysis: 8260 - Volatiles

Surrogate recovery of dibromofluoromethane was below recovery limits of 80-120%. Results were confirmed by repeat analysis.

1.14950

NO. 5321

CHAIN OF CUSTODY RECORD

Hull & Associates, Inc.

Dublin
 6130 Wilcox Road
 Dublin, Ohio 43016
 Phone: (614)385-8777
 FAX: (614)385-9070

Toledo
 3401 Glendale Avenue
 SUITE 300
 Toledo, Ohio 43614
 Phone: (419)385-2018
 FAX: (419)385-5489

Mason
 4700 Duke Drive, Suite 172
 Mason, Ohio 45040
 Phone: (513)459-9877
 FAX: (513)459-9869

Warrensville Heights
 4949 Galaxy Parkway, Suite S
 Warrensville Heights, Ohio 44128
 Phone: (216)514-7100
 FAX: (216)514-7104

REPORT TO: KEVIN WILDMAN

Client: SASH BEUD
 Site: AREA A
 Project#: SB1002 Phase: OUTR
 Samplers: BT

- SAMPLE TYPES**
 A - AIR
 C - ASBESTOS
 D - SEDIMENT
 G - GROUNDWATER
 P - PRODUCT
 S - SOIL
 Z - OTHERS
- PRESERVATIVES**
 A - Cool only, <4° C
 B - HNO₃, pH<2
 C - H₂SO₄, pH<2
 D - NaOH, pH>12
 E - Zinc acetate + NaOH, pH>9
 F - Na₂S₂O₄ (0.0008%)
 G - HCl, pH<2
- METALS**
 F - FILTERED
 N - NOT FILTERED
 B - BOTH
- All samples are kept at 4°C.

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | SAMPLING DATE/TIME | ANALYSES | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------------------|------------------|----------|
| SB1002 | HML13D | S005020 | 428 | 2 | 8-16-01 12:50 | ASBESTOS, METALS | |
| SB1002 | HML35S | S000020 | 428 | 3 | 8-16-01 11:45 | ASBESTOS, METALS | |
| SB1002 | HML35SD | S000020 | 428 | 3 | 8-16-01 11:45 | ASBESTOS, METALS | |
| SB1002 | FBI | W081601 | 428 | 5 | 8-16-01 16:00 | ASBESTOS, METALS | |
| SB1002 | TBI | W081601 | 428 | 3 | 8-16-01 16:00 | ASBESTOS, METALS | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |

RELINQUISHED BY: BAZ DATE: 8-16-01 TIME: 17:00 - 18:00

RELINQUISHED BY: BAZ DATE: 8-16-01 TIME: 17:00 - 18:00

RECEIVED FOR LAB BY: MADY WILSON DATE: 8-17-01 TIME: 4:30 - 01:00

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

COOLER TEMPERATURE AS RECEIVED °C: 3.0

Deliver To: TEST AMERICA

Method of Delivery: FED EX

Airbill Number: 826265967960

NOTES: CHECK TEMP FROM TRIP BLUES

TURN AROUND TIME: 5T DAYS

)

)

)

SBJ002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/04/2001

Job Number: 01.14991


Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 700968 | SBI002:TB1:W081701 | 08/17/2001 | 08/18/2001 |
| 700969 | SBI002:HMW23D:S000020:428 | 08/17/2001 | 08/18/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------|----------|------|-------|------------|--------|-------|-----------|---------|-------------------------------|
| | | | | | Analyzed | Number | Batch | Batch | Limit | |
| 700968 | SBI002:TB1:W081701 | | | | | | | | | DATE/TIME TAKEN 08/17/2001 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 08/22/2001 | | 3513 | Complete | eap | |
| Acetone | | <20.0 | | ug/L | 08/22/2001 | | 3513 | <20.0 | eap | SW 8260A |
| Benzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| tert-Butylbenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| sec-Butylbenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| n-Butylbenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromochloromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromodichloromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromoform | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Bromobenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 08/22/2001 | | 3513 | <12.5 | eap | SW 8260A |
| Carbon disulfide | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Carbon tetrachloride | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chlorobenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloroethane | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 2-Chlorotoluene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 4-Chlorotoluene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloroform | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Chloromethane | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| Dibromochloromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Dibromomethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 700968 | SBI002:TB1:W081701 | | | | | | | | | DATE/TIME TAKEN 08/17/2001 |
| | Naphthalene | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Tetrachloroethene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Toluene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Trichloroethene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Trichlorofluoromethane | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Vinyl Acetate | <5.0 | | ug/L | 08/22/2001 | | 3513 | <5.0 | eap | SW 8260A |
| | Vinyl Chloride | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | Xylenes | <1.0 | | ug/L | 08/22/2001 | | 3513 | <1.0 | eap | SW 8260A |
| | d4-1,2-Dichloroethane (surr) | 103 | | % | 08/22/2001 | | 3513 | | eap | SW 8260A |
| | Dibromofluoromethane (surr) | 106 | | % | 08/22/2001 | | 3513 | | eap | SW 8260A |
| | d8-Toluene (surr) | 93 | | % | 08/22/2001 | | 3513 | | eap | SW 8260A |
| | Bromofluorobenzene (surr) | 97 | | % | 08/22/2001 | | 3513 | | eap | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|--------------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|----------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700969 | SBI002:HMW23D:S000020:428 | | | | | | | | | |
| | | | | | 08/24/2001 | | 1484 | | | mhg SW 2540 G. |
| | ICP NONAQUEOUS | Complete | | | 08/23/2001 | | 1245 | Complete | emd | SW 6010B |
| | Arsenic, ICP | <7.7 | | mg/kg dw | 08/23/2001 | 908 | 2975 | <7.7 | emd | SW 6010B |
| | Barium, ICP | 44.5 | | mg/kg dw | 08/23/2001 | 908 | 2906 | <0.77 | emd | SW 6010B |
| | Cadmium, ICP | <1.2 | | mg/kg dw | 08/23/2001 | 908 | 2888 | <1.2 | emd | SW 6010B |
| | Chromium, ICP | 7.4 | | mg/kg dw | 08/23/2001 | 908 | 2876 | <1.5 | emd | SW 6010B |
| | Lead, ICP | 23.3 | | mg/kg dw | 08/23/2001 | 908 | 2877 | <3.0 | emd | SW 6010B |
| | Mercury, CVAA | 0.019 | | mg/kg dw | 08/24/2001 | 614 | 632 | <0.009 | epk | SW 7471A |
| | Selenium, ICP | <3.9 | | mg/kg dw | 08/23/2001 | 908 | 2955 | <3.9 | emd | SW 6010B |
| | Silver, ICP | <1.5 | | mg/kg dw | 08/23/2001 | 908 | 2908 | <1.5 | emd | SW 6010B |
| | ICP Digestion, Nonaqueous | Complete | | | 08/22/2001 | 908 | | Complete | mrt | SW 3050B |
| | Mercury Digestion, Non-Aq | Complete | | | 08/24/2001 | 614 | | Complete | clm | SW 7471A |
| | Prep, BNA Non-Aq | Complete | | | 08/21/2001 | 952 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| | Prep, TPH DRO Nonaq | Complete | | | 08/20/2001 | 199 | | Complete | mlr | |
| | VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | |
| | 8260 - SW846 (Non-aq) | Complete | | | 08/20/2001 | | 1473 | Complete | bmh | |
| | Acetone | <117 | | ug/kg dw | 08/20/2001 | | 1473 | <117 | bmh | SW 8260A |
| | Benzene | <5.8 | | ug/kg dw | 08/20/2001 | | 1473 | <5.8 | bmh | SW 8260A |
| | tert-Butylbenzene | <5.8 | | ug/kg dw | 08/20/2001 | | 1473 | <5.8 | bmh | SW 8260A |
| | sec-Butylbenzene | <5.8 | | ug/kg dw | 08/20/2001 | | 1473 | <5.8 | bmh | SW 8260A |
| | n-Butylbenzene | <5.8 | | ug/kg dw | 08/20/2001 | | 1473 | <5.8 | bmh | SW 8260A |
| | Bromochloromethane | <5.8 | | ug/kg dw | 08/20/2001 | | 1473 | <5.8 | bmh | SW 8260A |
| | Bromodichloromethane | <5.8 | | ug/kg dw | 08/20/2001 | | 1473 | <5.8 | bmh | SW 8260A |
| | Bromoform | <5.8 | | ug/kg dw | 08/20/2001 | | 1473 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700969 | SBI002:HMW23D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/17/2001 09:00 |
| Bromobenzene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| Carbon disulfide | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| Carbon tetrachloride | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| Chlorobenzene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| Chloroethane | | <11.7 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <11.7 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| Chloroform | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| Chloromethane | | <11.7 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <11.7 | bmh | SW 8260A |
| Dibromochloromethane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| Dibromomethane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700969 | SBI002:HMW23D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/17/2001 09:00 |
| | 1-Dichloropropene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Ethylbenzene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | n-Hexane | <23.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <23.3 | bmh | SW 8260A |
| | 2-Hexanone | <58.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <58.3 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Bromomethane | <11.7 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <11.7 | bmh | SW 8260A |
| | Methylene Chloride | <11.7 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <11.7 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <58.3 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <58.3 | bmh | SW 8260A |
| | n-Propylbenzene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Styrene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Naphthalene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Tetrachloroethene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Toluene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | 1,1,1-Trichloroethane | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | 1,1,2-Trichloroethane | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Trichloroethene | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |
| | Trichlorofluoromethane | <5.8 | | ug/kg dw | 08/20/2001 | 1473 | 1473 | <5.8 | bmh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|---------------------------|----------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 700969 | SBI002:HMW23D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/17/2001 09:00 |
| 1,2,3-Trichloropropane | <5.8 | ug/kg dw | | 08/20/2001 | 1473 | <5.8 | bmh | SW 8260A | | |
| 1,2,4-Trimethylbenzene | <5.8 | ug/kg dw | | 08/20/2001 | 1473 | <5.8 | bmh | SW 8260A | | |
| 1,3,5-Trimethylbenzene | <5.8 | ug/kg dw | | 08/20/2001 | 1473 | <5.8 | bmh | SW 8260A | | |
| Vinyl Acetate | <5.8 | ug/kg dw | | 08/20/2001 | 1473 | <5.8 | bmh | SW 8260A | | |
| Vinyl Chloride | <2.3 | ug/kg dw | | 08/20/2001 | 1473 | <2.3 | bmh | SW 8260A | | |
| Xylenes, Total | <5.8 | ug/kg dw | | 08/20/2001 | 1473 | <5.8 | bmh | SW 8260A | | |
| d4-1,2-Dichloroethane (surr) | 86 | % | | 08/20/2001 | 1473 | | bmh | SW 8260A | | |
| Dibromofluoromethane (surr) | 86 | % | | 08/20/2001 | 1473 | | bmh | SW 8260A | | |
| d8-Toluene (surr) | 94 | % | | 08/20/2001 | 1473 | | bmh | SW 8260A | | |
| Bromofluorobenzene (surr) | 93 | % | | 08/20/2001 | 1473 | | bmh | SW 8260A | | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Acenaphthylene | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Anthracene | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Benzo(a)anthracene | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Benzo(b)fluoranthene | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Benzo(k)fluoranthene | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Benzo(a)pyrene | <193 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <193 | jrj | SW 8270C | |
| Benzyl alcohol | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Benzyl butyl phthalate | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Bis(2-chloroethyl)ether | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Bis(2-chloroethoxy)methane | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| Bis(2-ethylhexyl)phthalate | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |
| 2,2'-oxybis(1-Chloropropane) | <385 | ug/kg dw | | 08/30/2001 | 952 | 1480 | <385 | jrj | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700969 | SBI002:HMW23D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/17/2001 09:00 |
| 4-Bromophenyl phenyl ether | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| 4-Chloroaniline | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Chrysene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <193 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <193 | jrw | SW 8270C |
| Dibenzofuran | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <770 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <770 | jrw | SW 8270C |
| Diethyl phthalate | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Dimethyl phthalate | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Di-n-octylphthalate | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Fluoranthene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Fluorene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Hexachlorobenzene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <770 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <770 | jrw | SW 8270C |
| Hexachloroethane | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Isophorone | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Naphthalene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| Nitrobenzene | | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |

ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 700969 | SBI002:HMW23D:S000020:428 | | | | | | | | | DATE/TIME TAKEN 08/17/2001 09:00 |
| | N-Nitrosodi-n-propylamine | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | Phenanthrene | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | Pyrene | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 1,2,4-Trichlorobenzene | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 51 | | % | 08/30/2001 | 952 | 1480 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 86 | | % | 08/30/2001 | 952 | 1480 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 126 | | % | 08/30/2001 | 952 | 1480 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,930 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <1,930 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 2-Chlorophenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 2-Methylphenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | meta & para-Methylphenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 2-Nitrophenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | Pentachlorophenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | Phenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <385 | | ug/kg dw | 08/30/2001 | 952 | 1480 | <385 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 87 | | % | 08/30/2001 | 952 | 1480 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 83 | | % | 08/30/2001 | 952 | 1480 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 57 | | % | 08/30/2001 | 952 | 1480 | | jrw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

09/04/2001

Job Number: 01.14991

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference | DATE/TIME TAKEN |
|-------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | | |
| 700969 | SBI002:HMW23D:S000020:428 | | | | | | | | | | 08/17/2001 09:00 |
| TPH - DRO Non-Aqueous | | 95.8 | | mg/kg dw | 08/22/2001 | 199 | 286 | <12 | rrs | SW 8015M | |
| TPH - GRO (Non-Aqueous) | | <6 | | mg/kg dw | 08/23/2001 | | 248 | <6 | meb | SW 8015M | |

QUALITY CONTROL FLAG DEFINITIONS

PAGE 12 of 12

Job Number: 01.14991

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

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SB 5002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 702159 | SBI002:HMW15S:S080090:428 | 08/23/2001 | 08/24/2001 |
| 702160 | SBI002:HMW15S:S040050:428 | 08/23/2001 | 08/24/2001 |
| 702161 | SBI002:TB1:W082301:428 | 08/23/2001 | 08/24/2001 |
| 702162 | SBI002:SB26A:S020040:505 | 08/23/2001 | 08/24/2001 |
| 702163 | SBI002:SB27A:S020040:505 | 08/23/2001 | 08/24/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 702159 | SBI002:HMW15S:S080090:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 08:00 |
| Dibromomethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| Dichlorodifluoromethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,3-Dichlorobenzene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| cis-1,3-Dichloropropene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| trans-1,3-Dichloropropene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| Ethylbenzene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| Hexachlorobutadiene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| n-Hexane | | <24.0 | | ug/kg dw | 08/28/2001 | | 1487 | <24.0 | jxc | SW 8260A |
| 2-Hexanone | | <60.0 | | ug/kg dw | 08/28/2001 | | 1487 | <60.0 | jxc | SW 8260A |
| Isopropylbenzene (Cumene) | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| p-Isopropyltoluene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | SW 8260A |
| Bromomethane | | <12.0 | | ug/kg dw | 08/28/2001 | | 1487 | <12.0 | jxc | SW 8260A |
| Methylene Chloride | | <12.0 | | ug/kg dw | 08/28/2001 | | 1487 | <12.0 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting | Analyst | Limit | Initials | Method Reference |
|------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------|---------|-------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | | | |
| 702159 | SBI002:HMW15S:S080090:428 | | | | | | | | | | | DATE/TIME TAKEN 08/23/2001 08:00 |
| Methyl t-butyl ether (MTBE) | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <60.0 | | ug/kg dw | 08/28/2001 | | 1487 | <60.0 | jxc | | | SW 8260A |
| n-Propylbenzene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| Styrene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| Naphthalene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| Tetrachloroethene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| Toluene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 1,2,4-Trichlorobenzene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 1,1,1-Trichloroethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 1,1,2-Trichloroethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| Trichloroethene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| Trichlorofluoromethane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 1,2,3-Trichloropropane | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 1,2,4-Trimethylbenzene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| 1,3,5-Trimethylbenzene | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| Vinyl Acetate | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| Vinyl Chloride | | <2.4 | | ug/kg dw | 08/28/2001 | | 1487 | <2.4 | jxc | | | SW 8260A |
| Xylenes, Total | | <6.0 | | ug/kg dw | 08/28/2001 | | 1487 | <6.0 | jxc | | | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 93 | | % | 08/28/2001 | | 1487 | | jxc | | | SW 8260A |
| Dibromofluoromethane (surr) | | 97 | | % | 08/28/2001 | | 1487 | | jxc | | | SW 8260A |
| d8-Toluene (surr) | | 94 | | % | 08/28/2001 | | 1487 | | jxc | | | SW 8260A |
| Bromofluorobenzene (surr) | | 92 | | % | 08/28/2001 | | 1487 | | jxc | | | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 702159 | SBI002:HMW15S:S080090:428 | | | | | | | | | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| | Acenaphthene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Acenaphthylene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Anthracene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Benzo(a)anthracene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Benzo(b)fluoranthene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Benzo(k)fluoranthene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Benzo(a)pyrene | <198 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <198 | dmg | SW 8270C |
| | Benzyl alcohol | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Bis(2-chloroethyl)ether | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Bis(2-chloroethoxy)methane | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | 4-Chloroaniline | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Chrysene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <198 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <198 | dmg | SW 8270C |
| | Dibenzofuran | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <792 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <792 | dmg | SW 8270C |
| | Diethyl phthalate | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |

DATE/TIME TAKEN
08/23/2001 08:00

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 702159 | SBI002:HMW15S:S080090:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 08:00 |
| Dimethyl phthalate | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Di-n-octylphthalate | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Fluoranthene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Fluorene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Hexachlorobenzene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <792 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <792 | dmg | SW 8270C |
| Hexachloroethane | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Isophorone | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Naphthalene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Nitrobenzene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Phenanthrene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Pyrene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 86 | | % | 08/30/2001 | 956 | 1478 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 81 | | % | 08/30/2001 | 956 | 1478 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 86 | | % | 08/30/2001 | 956 | 1478 | | dmg | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,980 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <1,980 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|----------------------------|---------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 702159 | SBI002:HMW15S:S080090:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 08:00 |
| 2-Chlorophenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2-Methylphenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| meta & para-Methylphenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2-Nitrophenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Pentachlorophenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Phenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <396 | | ug/kg dw | 08/30/2001 | 956 | 1478 | <396 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 81 | | % | 08/30/2001 | 956 | 1478 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 82 | | % | 08/30/2001 | 956 | 1478 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 86 | | % | 08/30/2001 | 956 | 1478 | | dmg | SW 8270C |
| TPH - FTIR Non-aq | | <60 | | mg/kg dw | 08/28/2001 | 597 | 629 | <12 | 260 | 418.1 |
| 702160 | SBI002:HMW15S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 07:50 |
| Dry Weight | | 91.7 | | % | 08/29/2001 | | 1487 | | nhg | SM 2540 G. |
| Prep, BNA Non-Aq | | Complete | | | 08/27/2001 | 956 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| Prep, TPH 418.1 Nonaq | | COMPLETE | | | 08/28/2001 | 597 | | Complete | 260 | SW 9071 |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 702160 | SBI002:HMW15S:S040050:428 | | | | | | | | | |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/28/2001 | | 1487 | Complete | jxc | |
| Acetone | <109 | ug/kg | dw | | 08/28/2001 | | 1487 | <109 | jxc | SW 8260A |
| Benzene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| tert-Butylbenzene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| sec-Butylbenzene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| n-Butylbenzene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Bromochloromethane | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Bromodichloromethane | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Bromoform | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Bromobenzene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 2-Butanone (MEK) | <55 | ug/kg | dw | | 08/28/2001 | | 1487 | <55 | jxc | SW 8260A |
| Carbon disulfide | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Carbon tetrachloride | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Chlorobenzene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Chloroethane | <10.9 | ug/kg | dw | | 08/28/2001 | | 1487 | <10.9 | jxc | SW 8260A |
| 2-Chlorotoluene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 4-Chlorotoluene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Chloroform | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Chloromethane | <10.9 | ug/kg | dw | | 08/28/2001 | | 1487 | <10.9 | jxc | SW 8260A |
| Dibromochloromethane | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Dibromomethane | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Dichlorodifluoromethane | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,2-Dichlorobenzene | <5.5 | ug/kg | dw | | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 702160 | SBI002:HMW15S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 07:50 |
| 1,3-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 1,4-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 1,1-Dichloroethane | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 1,2-Dichloroethane | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 1,1-Dichloroethene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| cis-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| trans-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 1,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 1,3-Dichloropropane | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 1,1-Dichloropropene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| cis-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| trans-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| Ethylbenzene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| Hexachlorobutadiene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| n-Hexane | | <21.8 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <21.8 | jxc | SW 8260A |
| 2-Hexanone | | <54.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <54.5 | jxc | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| p-Isopropyltoluene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| Bromomethane | | <10.9 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <10.9 | jxc | SW 8260A |
| Methylene Chloride | | <10.9 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <10.9 | jxc | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <54.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <54.5 | jxc | SW 8260A |
| n-Propylbenzene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |
| Styrene | | <5.5 | | ug/kg dw | 08/28/2001 | 1487 | 1487 | <5.5 | jxc | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 702160 | SBI002:HMW15S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 07:50 |
| Naphthalene | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Tetrachloroethene | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Toluene | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,1,1-Trichloroethane | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,1,2-Trichloroethane | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Trichloroethene | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Trichlorofluoromethane | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,2,3-Trichloropropane | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Vinyl Acetate | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| Vinyl Chloride | | <2.2 | | ug/kg dw | 08/28/2001 | | 1487 | <2.2 | jxc | SW 8260A |
| Xylenes, Total | | <5.5 | | ug/kg dw | 08/28/2001 | | 1487 | <5.5 | jxc | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 93 | | % | 08/28/2001 | | 1487 | | jxc | SW 8260A |
| Dibromofluoromethane (surr) | | 100 | | % | 08/28/2001 | | 1487 | | jxc | SW 8260A |
| d8-Toluene (surr) | | 92 | | % | 08/28/2001 | | 1487 | | jxc | SW 8260A |
| Bromofluorobenzene (surr) | | 101 | | % | 08/28/2001 | | 1487 | | jxc | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | | <360 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <360 | jrjw | SW 8270C |
| Acenaphthylene | | 418 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <360 | jrjw | SW 8270C |
| Anthracene | | 2,660 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <360 | jrjw | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|------------|----------|-------|--------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 702160 | SBI002:HMW15S:S040050:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 07:50 |
| Benzo(a)anthracene | 7,880 | ug/kg | dw | 08/31/2001 | 956 | 1479 | <3,600 | jcs | SW 8270C | |
| Benzo(b)fluoranthene | 10,800 | ug/kg | dw | 08/31/2001 | 956 | 1479 | <3,600 | jcs | SW 8270C | |
| Benzo(k)fluoranthene | 2,990 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| Benzo(a)pyrene | 7,610 | ug/kg | dw | 08/31/2001 | 956 | 1479 | <1,740 | jcs | SW 8270C | |
| Benzyl alcohol | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| Benzyl butyl phthalate | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| Bis(2-chloroethyl)ether | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| Bis(2-chloroethoxy)methane | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| Bis(2-ethylhexyl)phthalate | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 2,2'-oxybis(1-Chloropropane) | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 4-Bromophenyl phenyl ether | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 4-Chloroaniline | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 2-Chloronaphthalene | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| Chrysene | 7,670 | ug/kg | dw | 08/31/2001 | 956 | 1479 | <3,600 | jcs | SW 8270C | |
| Dibenzo(a,h)anthracene | 410 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <180 | jrw | SW 8270C | |
| Dibenzofuran | 450 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 1,2-Dichlorobenzene | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 1,3-Dichlorobenzene | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 1,4-Dichlorobenzene | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 3,3'-Dichlorobenzidine | <720 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <720 | jrw | SW 8270C | |
| Diethyl phthalate | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| Dimethyl phthalate | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 2,4-Dinitrotoluene | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| 2,6-Dinitrotoluene | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |
| Di-n-octylphthalate | <360 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <360 | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Limit | Initials | Method Reference |
|------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-------------------|--------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 702160 | SBI002:HMW15S:S040050:428 | | | | | | | | | | DATE/TIME TAKEN 08/23/2001 07:50 |
| Fluoranthene | 13,500 | ug/kg dw | | | 08/31/2001 | 956 | 1479 | | <3,600 | jcs | SW 8270C |
| Fluorene | 636 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Hexachlorobenzene | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Hexachloro-1,3-butadiene | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Hexachlorocyclopentadiene | <720 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <720 | jrj | SW 8270C |
| Hexachloroethane | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Indeno(1,2,3-cd)pyrene | 1,180 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Isophorone | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Naphthalene | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Nitrobenzene | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| N-Nitrosodi-n-propylamine | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Phenanthrene | 6,660 | ug/kg dw | | | 08/31/2001 | 956 | 1479 | | <3,600 | jcs | SW 8270C |
| Pyrene | 15,500 | ug/kg dw | | | 08/31/2001 | 956 | 1479 | | <3,600 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| Surrogate: d5-Nitrobenzene | 80 | % | | | 08/29/2001 | 956 | 1480 | | | jrj | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | 104 | % | | | 08/29/2001 | 956 | 1480 | | | jrj | SW 8270C |
| Surrogate: d14-Terphenyl | 65 | % | | | 08/29/2001 | 956 | 1480 | | | jrj | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | | |
| Benzoic Acid | <1,800 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <1,800 | jrj | SW 8270C |
| 4-Chloro-3-methylphenol | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| 2-Chlorophenol | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| 2,4-Dichlorophenol | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| 2,4-Dimethylphenol | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | <360 | ug/kg dw | | | 08/29/2001 | 956 | 1480 | | <360 | jrj | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 702161 | SBI002:TB1:W082301:428 | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/27/2001 | | 3525 | Complete | mrh | |
| Acetone | <20.0 | | | ug/L | 08/27/2001 | | 3525 | <20.0 | mrh | SW 8260A |
| Benzene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| tert-Butylbenzene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| sec-Butylbenzene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| n-Butylbenzene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Bromochloromethane | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Bromodichloromethane | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Bromoform | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Bromobenzene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 08/27/2001 | | 3525 | <12.5 | mrh | SW 8260A |
| Carbon disulfide | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Carbon tetrachloride | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Chlorobenzene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Chloroethane | <5.0 | | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 2-Chlorotoluene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 4-Chlorotoluene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Chloroform | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Chloromethane | <5.0 | | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| Dibromochloromethane | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Dibromomethane | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Dichlorodifluoromethane | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.0 | | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,2-Dichlorobenzene | <1.0 | | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |

ANALYTICAL REPORT

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 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 702161 | SBI002:TB1:W082301:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Ethylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Hexachlorobutadiene | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| n-Hexane | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 2-Hexanone | | <12.5 | | ug/L | 08/27/2001 | | 3525 | <12.5 | mrh | SW 8260A |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| p-Isopropyltoluene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Bromomethane | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| Methylene Chloride | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 08/27/2001 | | 3525 | <12.5 | mrh | SW 8260A |
| n-Propylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Styrene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 702161 | SBI002:TB1:W082301:428 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 |
| Naphthalene | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 98 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| Dibromofluoromethane (surr) | | 100 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| d8-Toluene (surr) | | 101 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| Bromofluorobenzene (surr) | | 102 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Limit | Initials | Method Reference |
|-------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-------|----------|----------------------------|
| | | | | | Analyzed | Batch | Batch | | Number | | | |
| 702162 | SBI002:SB26A:S020040:505 | | | | 08/29/2001 | | 1487 | | | | | |
| | | 93.3 | | % | 08/29/2001 | | 1487 | | mhg | | | SM 2540 G. |
| | | Complete | | | 08/27/2001 | 956 | | Complete | mlr | | | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | | | |
| Acenaphthene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Acenaphthylene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Anthracene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Benzo(a)anthracene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Benzo(b)fluoranthene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Benzo(k)fluoranthene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Benzo(a)pyrene | <177 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <177 | dmg | | | SW 8270C |
| Benzyl alcohol | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Benzyl butyl phthalate | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Bis(2-chloroethyl)ether | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Bis(2-chloroethoxy)methane | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Bis(2-ethylhexyl)phthalate | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| 4-Bromophenyl phenyl ether | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| 4-Chloroaniline | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| 2-Chloronaphthalene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Chrysene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| Dibenzo(a,h)anthracene | <177 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <177 | dmg | | | SW 8270C |
| Dibenzofuran | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| 1,2-Dichlorobenzene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |
| 1,3-Dichlorobenzene | <354 | ug/kg | dw | | 08/29/2001 | 956 | 1478 | <354 | dmg | | | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 702162 | SBI002:SB26A:S020040:505 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 16:10 |
| 1,4-Dichlorobenzene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <707 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <707 | dmg | SW 8270C |
| Diethyl phthalate | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Dimethyl phthalate | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Di-n-octylphthalate | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Fluoranthene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Fluorene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Hexachlorobenzene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <707 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <707 | dmg | SW 8270C |
| Hexachloroethane | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Isophorone | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Naphthalene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Nitrobenzene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Phenanthrene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Pyrene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 72 | | % | 08/29/2001 | 956 | 1478 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 79 | | % | 08/29/2001 | 956 | 1478 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 83 | | % | 08/29/2001 | 956 | 1478 | | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 702162 | SBI002:SB26A:S020040:505 | | | | | | | | | DATE/TIME TAKEN 08/23/2001 16:10 |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,770 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <1,770 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2-Chlorophenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2-Methylphenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| meta & para-Methylphenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2-Nitrophenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Pentachlorophenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Phenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <354 | | ug/kg dw | 08/29/2001 | 956 | 1478 | <354 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 67 | | % | 08/29/2001 | 956 | 1478 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 63 | | % | 08/29/2001 | 956 | 1478 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 55 | | % | 08/29/2001 | 956 | 1478 | | dmg | SW 8270C |

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|--------------------------|--------|------|------------|------------|-------|-------|-----------|----------|----------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 702163 | SBI002:SB27A:S020040:505 | | | | 08/30/2001 | | 1488 | | mhg | SM 2540 G. |
| | | 88.6 | | % | 08/27/2001 | 956 | | Complete | mlr | EPA 625; SW 3540C; SW 3545 |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Acenaphthylene | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Anthracene | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Benzo(a)anthracene | 753 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Benzo(b)fluoranthene | 1,170 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Benzo(k)fluoranthene | 506 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Benzo(a)pyrene | 815 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <186 | jrw | SW 8270C | |
| Benzyl alcohol | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Benzyl butyl phthalate | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Bis(2-chloroethyl)ether | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Bis(2-chloroethoxy)methane | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Bis(2-ethylhexyl)phthalate | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| 2,2'-oxybis(1-Chloropropane) | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| 4-Bromophenyl phenyl ether | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| 4-Chloroaniline | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| 2-Chloronaphthalene | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Chrysene | 960 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| Dibenzo(a,h)anthracene | <186 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <186 | jrw | SW 8270C | |
| Dibenzofuran | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| 1,2-Dichlorobenzene | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |
| 1,3-Dichlorobenzene | <372 | ug/kg | dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C | |

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/05/2001

Job Number: 01.15425

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 702163 | SBI002:SB27A:S020040:505 | | | | | | | | | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| | Benzoic Acid | <1,860 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <1,860 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | 2-Chlorophenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | 2-Methylphenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | meta & para-Methylphenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | 2-Nitrophenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | Pentachlorophenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | Phenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <372 | | ug/kg dw | 08/29/2001 | 956 | 1480 | <372 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 78 | | % | 08/29/2001 | 956 | 1480 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 75 | | % | 08/29/2001 | 956 | 1480 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 76 | | % | 08/29/2001 | 956 | 1480 | | jrw | SW 8270C |

DATE/TIME TAKEN
 08/23/2001 16:20

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.15425

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.



TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/10/2001

Job Number: 01.15261

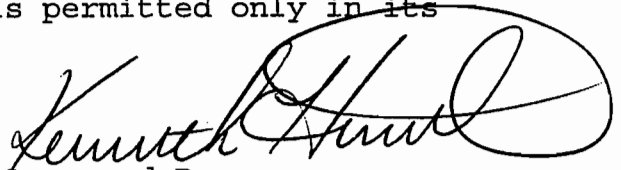
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|----------------------------|-------------------|----------------------|
| 701756 | SBI002:HMW24D:S005020:428 | 08/21/2001 | 08/22/2001 |
| 701757 | SBI002:HMW24DD:S005020:428 | 08/21/2001 | 08/22/2001 |
| 701758 | SBI002:FB1:W082101:428 | 08/21/2001 | 08/22/2001 |
| 701759 | SBI002:TB1:W082101:428 | 08/21/2001 | 08/22/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

TestAmerica, Incorporated

PAGE 2 of 16

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 701756 | SBI002:HMW24D:S005020:428 | | | | | | | Limit | | DATE/TIME TAKEN 08/21/2001 07:00 |
| Dry Weight | | 85.2 | | % | 08/28/2001 | | 1486 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 09/04/2001 | | 1254 | Complete | emd | SW 6010B |
| Arsenic, ICP | | 9.2 | | mg/kg dw | 09/04/2001 | 909 | 2989 | <7.6 | emd | SW 6010B |
| Barium, ICP | | 833 | | mg/kg dw | 09/04/2001 | 909 | 2920 | <1.5 | emd | SW 6010B |
| Cadmium, ICP | | <2.2 | | mg/kg dw | 09/04/2001 | 909 | 2902 | <2.2 | emd | SW 6010B |
| Chromium, ICP | | 26 | | mg/kg dw | 09/04/2001 | 909 | 2890 | <3.1 | emd | SW 6010B |
| Lead, ICP | | 5,970 | | mg/kg dw | 09/04/2001 | 909 | 2891 | <6.1 | emd | SW 6010B |
| Mercury, CVAA | | 0.558 | | mg/kg dw | 08/24/2001 | 614 | 632 | <0.018 | epk | SW 7471A |
| Selenium, ICP | | <7.6 | | mg/kg dw | 09/04/2001 | 909 | 2969 | <7.6 | emd | SW 6010B |
| Silver, ICP | | <3.1 | | mg/kg dw | 09/04/2001 | 909 | 2922 | <3.1 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 08/23/2001 | 909 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 08/24/2001 | 614 | | Complete | clm | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | | Complete | | | 08/23/2001 | | 1481 | Complete | bmh | |
| Acetone | | <117 | | ug/kg dw | 08/23/2001 | | 1481 | <117 | bmh | SW 8260A |
| Benzene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| tert-Butylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| sec-Butylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| n-Butylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Bromochloromethane | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Bromodichloromethane | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Bromoform | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Bromobenzene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| 2-Butanone (MEK) | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Carbon disulfide | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701756 | SBI002:HMW24D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/21/2001 07:00 |
| Carbon tetrachloride | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Chlorobenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Chloroethane | | <11.7 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <11.7 | bmh | SW 8260A |
| 2-Chlorotoluene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 4-Chlorotoluene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Chloroform | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Chloromethane | | <11.7 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <11.7 | bmh | SW 8260A |
| Dibromochloromethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Dibromomethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Dichlorodifluoromethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,1-Dichloroethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2-Dichloroethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,1-Dichloroethene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| cis-1,2-Dichloroethene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| trans-1,2-Dichloroethene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2-Dichloropropane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,3-Dichloropropane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 2,2-Dichloropropane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,1-Dichloropropene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| cis-1,3-Dichloropropene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| trans-1,3-Dichloropropene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Ethylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701756 | SBI002:HMW24D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/21/2001 07:00 |
| Hexachlorobutadiene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| n-Hexane | | <23.5 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <23.5 | bmh | SW 8260A |
| 2-Hexanone | | <58.7 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <58.7 | bmh | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| p-Isopropyltoluene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Bromomethane | | <11.7 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <11.7 | bmh | SW 8260A |
| Methylene Chloride | | <11.7 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <11.7 | bmh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <58.7 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <58.7 | bmh | SW 8260A |
| n-Propylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Styrene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Naphthalene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Tetrachloroethene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Toluene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Trichloroethene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Vinyl Acetate | | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| Vinyl Chloride | | <2.3 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <2.3 | bmh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|------------------------------|--------|------|----------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 701756 | SBI002:HMW24D:S005020:428 | | | | | | | | | | 08/21/2001 07:00 |
| | Xylenes, Total | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A | |
| | d4-1,2-Dichloroethane (surr) | 97 | | % | 08/23/2001 | | 1481 | | bmh | SW 8260A | |
| | Dibromofluoromethane (surr) | 94 | | % | 08/23/2001 | | 1481 | | bmh | SW 8260A | |
| | d8-Toluene (surr) | 95 | | % | 08/23/2001 | | 1481 | | bmh | SW 8260A | |
| | Bromofluorobenzene (surr) | 94 | | % | 08/23/2001 | | 1481 | | bmh | SW 8260A | |

SAMPLE NO. 701757 **SAMPLE DESCRIPTION** SBI002:HMW24DD:S005020:428 **DATE/TIME TAKEN** 08/21/2001 07:00

| | | | | | | | | | | |
|---------------------------|----------|---|----------|--|------------|-----|------|----------|-----|------------|
| Dry Weight | 85.0 | % | | | 08/28/2001 | | 1486 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 09/04/2001 | | 1254 | Complete | emd | SW 6010B |
| Arsenic, ICP | <12 | | mg/kg dw | | 09/04/2001 | 909 | 2989 | <12 | emd | SW 6010B |
| Barium, ICP | 1,260 | | mg/kg dw | | 09/04/2001 | 909 | 2920 | <1.5 | emd | SW 6010B |
| Cadmium, ICP | <2.4 | | mg/kg dw | | 09/04/2001 | 909 | 2902 | <2.4 | emd | SW 6010B |
| Chromium, ICP | 30.0 | | mg/kg dw | | 09/04/2001 | 909 | 2890 | <3.2 | emd | SW 6010B |
| Lead, ICP | 13,600 | | mg/kg dw | | 09/04/2001 | 909 | 2891 | <6.2 | emd | SW 6010B |
| Mercury, CVAA | 0.821 | | mg/kg dw | | 08/24/2001 | 614 | 632 | <0.019 | epk | SW 7471A |
| Selenium, ICP | <7.8 | | mg/kg dw | | 09/04/2001 | 909 | 2969 | <7.8 | emd | SW 6010B |
| Silver, ICP | <3.2 | | mg/kg dw | | 09/04/2001 | 909 | 2922 | <3.2 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/23/2001 | 909 | | Complete | mrt | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/24/2001 | 614 | | Complete | clm | SW 7471A |

VOLATILE COMPOUNDS-8260 Non-Aq

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|-----------------------------|----------------------------|--------|------|-------|---------------|--------------|--------------|-------------------|------------------|
| | | | | | | Batch Number | Batch Number | | |
| 701757 | SBI002:HMW24DD:S005020:428 | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/23/2001 | 1481 | Complete | bmh | |
| Acetone | <118 | ug/kg | dw | | 08/23/2001 | 1481 | <118 | bmh | SW 8260A |
| Benzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| tert-Butylbenzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| sec-Butylbenzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| n-Butylbenzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Bromochloromethane | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Bromodichloromethane | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Bromoform | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Bromobenzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| 2-Butanone (MEK) | <59 | ug/kg | dw | | 08/23/2001 | 1481 | <59 | bmh | SW 8260A |
| Carbon disulfide | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Carbon tetrachloride | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Chlorobenzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Chloroethane | <11.8 | ug/kg | dw | | 08/23/2001 | 1481 | <11.8 | bmh | SW 8260A |
| 2-Chlorotoluene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| 4-Chlorotoluene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Chloroform | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Chloromethane | <11.8 | ug/kg | dw | | 08/23/2001 | 1481 | <11.8 | bmh | SW 8260A |
| Dibromochloromethane | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Dibromomethane | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| Dichlorodifluoromethane | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| 1,2-Dichlorobenzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| 1,3-Dichlorobenzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |
| 1,4-Dichlorobenzene | <5.9 | ug/kg | dw | | 08/23/2001 | 1481 | <5.9 | bmh | SW 8260A |

DATE/TIME TAKEN
 08/21/2001 07:00

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701757 | SBI002:HMW24DD:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/21/2001 07:00 |
| | 1,1-Dichloroethane | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 1,2-Dichloroethane | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 1,1-Dichloroethene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | cis-1,2-Dichloroethene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | trans-1,2-Dichloroethene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 1,2-Dichloropropane | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 1,3-Dichloropropane | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 2,2-Dichloropropane | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 1,1-Dichloropropene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | cis-1,3-Dichloropropene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | trans-1,3-Dichloropropene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | Ethylbenzene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | Hexachlorobutadiene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | n-Hexane | <23.5 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <23.5 | bmh | SW 8260A |
| | 2-Hexanone | <58.8 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <58.8 | bmh | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | p-Isopropyltoluene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | Bromomethane | <11.8 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <11.8 | bmh | SW 8260A |
| | Methylene Chloride | <11.8 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <11.8 | bmh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <58.8 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <58.8 | bmh | SW 8260A |
| | n-Propylbenzene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | Styrene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | Naphthalene | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |
| | 1,1,1,2,2-Tetrachloroethane | <5.9 | | ug/kg dw | 08/23/2001 | 1481 | 1481 | <5.9 | bmh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 701757 | SBI002:HMW24DD:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/21/2001 07:00 |
| Tetrachloroethene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Toluene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| 1,1,1-Trichloroethane | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| 1,1,2-Trichloroethane | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Trichloroethene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Trichlorofluoromethane | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Vinyl Acetate | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| Vinyl Chloride | | <2.4 | | ug/kg dw | 08/23/2001 | | 1481 | <2.4 | bmh | SW 8260A |
| Xylenes, Total | | <5.9 | | ug/kg dw | 08/23/2001 | | 1481 | <5.9 | bmh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 95 | | % | 08/23/2001 | | 1481 | | bmh | SW 8260A |
| Dibromofluoromethane (surr) | | 91 | | % | 08/23/2001 | | 1481 | | bmh | SW 8260A |
| d8-Toluene (surr) | | 93 | | % | 08/23/2001 | | 1481 | | bmh | SW 8260A |
| Bromofluorobenzene (surr) | | 95 | | % | 08/23/2001 | | 1481 | | bmh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 701758 | SBI002:FB1:W082101:428 | | | | | | | | | DATE/TIME TAKEN 08/21/2001 17:00 |
| ICPMS TOTAL METALS | Complete | | | | 08/29/2001 | | 2486 | Complete | kmb | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | | | 08/29/2001 | 1816 | 3595 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | <0.0050 | mg/L | | | 08/29/2001 | 1816 | 3804 | <0.0050 | kmb | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | | 08/29/2001 | 1816 | 3474 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | | | 08/29/2001 | 1816 | 3862 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | <0.0010 | mg/L | | | 08/29/2001 | 1816 | 3552 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 08/23/2001 | 1375 | 1317 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/07/2001 | 735 | 571 | <0.0050 | jad | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 08/29/2001 | 1816 | 3807 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 08/28/2001 | 1816 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 08/24/2001 | 735 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 08/23/2001 | 1375 | | Complete | clm | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/04/2001 | | 3545 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/04/2001 | | 3545 | <20.0 | dmg | SW 8260A |
| Benzene | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| n-Butylbenzene | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| Bromochloromethane | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| Bromodichloromethane | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| Bromoform | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| Bromobenzene | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/04/2001 | | 3545 | <12.5 | dmg | SW 8260A |
| Carbon disulfide | <1.0 | ug/L | | | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |

TestAmerica, Incorporated

PAGE 10 of 16

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 701758 | SBI002:FB1:W082101:428 | | | | | | | | | DATE/TIME TAKEN 08/21/2001 17:00 |
| Carbon tetrachloride | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| Chlorobenzene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| Chloroethane | <5.0 | ug/L | | 09/04/2001 | 3545 | <5.0 | dmg | SW 8260A | | |
| 2-Chlorotoluene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 4-Chlorotoluene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| Chloroform | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| Chloromethane | <5.0 | ug/L | | 09/04/2001 | 3545 | <5.0 | dmg | SW 8260A | | |
| Dibromochloromethane | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| Dibromomethane | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| Dichlorodifluoromethane | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | 09/04/2001 | 3545 | <5.0 | dmg | SW 8260A | | |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,1-Dichloroethane | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,2-Dichloroethane | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,1-Dichloroethene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| cis-1,2-Dichloroethene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| trans-1,2-Dichloroethene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,2-Dichloropropane | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,3-Dichloropropane | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 2,2-Dichloropropane | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| 1,1-Dichloropropene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| cis-1,3-Dichloropropene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| trans-1,3-Dichloropropene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |
| Ethylbenzene | <1.0 | ug/L | | 09/04/2001 | 3545 | <1.0 | dmg | SW 8260A | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701758 | SBI002:FB1:W082101:428 | | | | | | | | | DATE/TIME TAKEN 08/21/2001 17:00 |
| | hexachlorobutadiene | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | n-Hexane | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | 2-Hexanone | <12.5 | | ug/L | 09/04/2001 | 3545 | 3545 | <12.5 | dmg | SW 8260A |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | Bromomethane | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | Methylene Chloride | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/04/2001 | 3545 | 3545 | <12.5 | dmg | SW 8260A |
| | n-Propylbenzene | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | Styrene | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | Naphthalene | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | Tetrachloroethene | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | Toluene | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | Trichloroethene | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |
| | Vinyl Acetate | <5.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <5.0 | dmg | SW 8260A |
| | Vinyl Chloride | <1.0 | | ug/L | 09/04/2001 | 3545 | 3545 | <1.0 | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|-------|---------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | | Batch | Batch | | | |
| 701758 | SBI002:FB1:W082101:428 | | | | | | | | | DATE/TIME TAKEN 08/21/2001 17:00 |
| Xylenes | | <1.0 | | ug/L | 09/04/2001 | | 3545 | <1.0 | dmg | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 112 | | % | 09/04/2001 | | 3545 | | dmg | SW 8260A |
| Dibromofluoromethane (surr) | | 105 | | % | 09/04/2001 | | 3545 | | dmg | SW 8260A |
| d8-Toluene (surr) | | 100 | | % | 09/04/2001 | | 3545 | | dmg | SW 8260A |
| Bromofluorobenzene (surr) | | 109 | | % | 09/04/2001 | | 3545 | | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN | Prep | | Run | | Reporting Analyst | Method Reference |
|------------|------------------------|-----------------|---------------|--------------|--------------|-------|-------------------|------------------|
| | | | Date Analyzed | Batch Number | Batch Number | Limit | | |
| 701759 | SBI002:TB1:W082101:428 | 08/21/2001 | | | | | | |

VOLATILE COMPOUNDS - 8260 (AQ)

| Compound | Result | Flag | Units | Date Analyzed | Batch Number | Batch Number | Reporting Analyst | Method Reference |
|-----------------------------|----------|------|-------|---------------|--------------|--------------|-------------------|------------------|
| 8260 - SW846 (AQ) | Complete | | | 08/27/2001 | 3525 | Complete | mrh | |
| Acetone | <20.0 | | ug/L | 08/27/2001 | 3525 | <20.0 | mrh | SW 8260A |
| Benzene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| tert-Butylbenzene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| sec-Butylbenzene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| n-Butylbenzene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Bromochloromethane | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Bromodichloromethane | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Bromoform | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Bromobenzene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| 2-Butanone (MEK) | <12.5 | | ug/L | 08/27/2001 | 3525 | <12.5 | mrh | SW 8260A |
| Carbon disulfide | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Carbon tetrachloride | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Chlorobenzene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Chloroethane | <5.0 | | ug/L | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A |
| 2-Chlorotoluene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| 4-Chlorotoluene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Chloroform | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Chloromethane | <5.0 | | ug/L | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A |
| Dibromochloromethane | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Dibromomethane | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| Dichlorodifluoromethane | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A |
| 1,2-Dichlorobenzene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |
| 1,3-Dichlorobenzene | <1.0 | | ug/L | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|-----------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 701759 | SBI002:TB1:W082101:428 | | | | | | | | | | 08/21/2001 |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | Ethylbenzene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | Hexachlorobutadiene | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A | |
| | n-Hexane | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A | |
| | 2-Hexanone | <12.5 | | ug/L | 08/27/2001 | | 3525 | <12.5 | mrh | SW 8260A | |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | p-Isopropyltoluene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | Bromomethane | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A | |
| | Methylene Chloride | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 08/27/2001 | | 3525 | <12.5 | mrh | SW 8260A | |
| | n-Propylbenzene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | Styrene | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |
| | Naphthalene | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/10/2001

Job Number: 01.15261

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 701759 | SBI002:TB1:W082101:428 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 08/21/2001 |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Tetrachloroethene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Toluene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,2,4-Trichlorobenzene | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| 1,1,1-Trichloroethane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,1,2-Trichloroethane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Trichloroethene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Trichlorofluoromethane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,2,3-Trichloropropane | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,3,5-Trimethylbenzene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Vinyl Acetate | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| Vinyl Chloride | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Xylenes | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| d4-1,2-Dichloroethane (surr) | 101 | % | | 08/27/2001 | 3525 | | mrh | SW 8260A | | |
| Dibromofluoromethane (surr) | 102 | % | | 08/27/2001 | 3525 | | mrh | SW 8260A | | |
| d8-Toluene (surr) | 99 | % | | 08/27/2001 | 3525 | | mrh | SW 8260A | | |
| Bromofluorobenzene (surr) | 101 | % | | 08/27/2001 | 3525 | | mrh | SW 8260A | | |

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QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.15261

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.



TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 701886 | SBI002:MW16D:S010020:480 | 08/22/2001 | 08/23/2001 |
| 701887 | SBI002:MW16D:S041055:480 | 08/22/2001 | 08/23/2001 |
| 701888 | SBI002:HMW19D:S080095:428 | 08/22/2001 | 08/23/2001 |
| 701889 | SBI002:HMW19D:S120130:428 | 08/22/2001 | 08/23/2001 |
| 701890 | SBI002:FB1:W082201:428 | 08/22/2001 | 08/23/2001 |
| 701891 | SBI002:TB1:W082201:428 | 08/22/2001 | 08/23/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701886 | SBI002:MW16D:S010020:480 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 15:25 |
| | Bromomethane | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | Dichlorodifluoromethane | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,2-Dichlorobenzene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,3-Dichlorobenzene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,4-Dichlorobenzene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,1-Dichloroethane | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,2-Dichloroethane | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,1-Dichloroethene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | cis-1,2-Dichloroethene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | trans-1,2-Dichloroethene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,2-Dichloropropane | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,3-Dichloropropane | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 2,2-Dichloropropane | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | 1,1-Dichloropropene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | cis-1,3-Dichloropropene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | trans-1,3-Dichloropropene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | Ethylbenzene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | Hexachlorobutadiene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | n-Hexane | <22.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <22.5 | dmg | SW 8260A |
| | 2-Hexanone | <56.2 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <56.2 | dmg | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | p-Isopropyltoluene | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |
| | Bromomethane | <11.2 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <11.2 | dmg | SW 8260A |
| | Methylene Chloride | <11.2 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <11.2 | dmg | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.6 | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701886 | SBI002:MW16D:S010020:480 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 15:25 |
| 4-Methyl-2-pentanone (MIBK) | <56.2 | ug/kg dw | | | 08/24/2001 | 1484 | | <56.2 | dmg | SW 8260A |
| n-Propylbenzene | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| Styrene | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| Naphthalene | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| 1,1,1,2-Tetrachloroethane | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| 1,1,2,2-Tetrachloroethane | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| Tetrachloroethene | 157 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| Toluene | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| 1,2,4-Trichlorobenzene | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| 1,1,1-Trichloroethane | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| 1,1,2-Trichloroethane | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| Trichloroethene | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| Trichlorofluoromethane | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| 1,2,3-Trichloropropane | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| 1,2,4-Trimethylbenzene | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| 1,3,5-Trimethylbenzene | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| Vinyl Acetate | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| Vinyl Chloride | <2.2 | ug/kg dw | | | 08/24/2001 | 1484 | | <2.2 | dmg | SW 8260A |
| Xylenes, Total | <5.6 | ug/kg dw | | | 08/24/2001 | 1484 | | <5.6 | dmg | SW 8260A |
| d4-1,2-Dichloroethane (surr) | 91 | % | | | 08/24/2001 | 1484 | | | dmg | SW 8260A |
| Dibromofluoromethane (surr) | 96 | % | | | 08/24/2001 | 1484 | | | dmg | SW 8260A |
| d8-Toluene (surr) | 110 | % | | | 08/24/2001 | 1484 | | | dmg | SW 8260A |
| Bromofluorobenzene (surr) | 123 | Note % | | | 08/24/2001 | 1484 | | | dmg | SW 8260A |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | |
| Acenaphthene | <371 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 701886 | SBI002:MW16D:S010020:480 | | | | | | | | | |
| | Acenaphthylene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Anthracene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Benzo(a)anthracene | 829 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Benzo(b)fluoranthene | 944 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Benzo(k)fluoranthene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Benzo(a)pyrene | 721 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <185 | jrjw | SW 8270C |
| | Benzyl alcohol | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Benzyl butyl phthalate | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Bis(2-chloroethyl) ether | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Bis(2-chloroethoxy)methane | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Bis(2-ethylhexyl)phthalate | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 4-Chloroaniline | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 2-Chloronaphthalene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Chrysene | 790 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Dibenzo(a,h)anthracene | <185 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <185 | jrjw | SW 8270C |
| | Dibenzofuran | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 1,2-Dichlorobenzene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 1,3-Dichlorobenzene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 1,4-Dichlorobenzene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <742 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <742 | jrjw | SW 8270C |
| | Diethyl phthalate | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | Dimethyl phthalate | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 2,4-Dinitrotoluene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |
| | 2,6-Dinitrotoluene | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrjw | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701886 | SBI002:MW16D:S010020:480 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 15:25 |
| Di-n-octylphthalate | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Fluoranthene | | 1,450 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Fluorene | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Hexachlorobenzene | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <742 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <742 | jrw | SW 8270C |
| Hexachloroethane | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Isophorone | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Naphthalene | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Nitrobenzene | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Phenanthrene | | 667 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Pyrene | | 1,290 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 82 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 96 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| Surrogate: dl4-Terphenyl | | 83 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | |
| Benzoic Acid | | <1,850 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <1,850 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| 2-Chlorophenol | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|--------------------------------|----------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 701886 | SBI002:MW16D:S010020:480 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 15:25 |
| | 2-Methylphenol | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| | meta & para-Methylphenol | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| | 2-Nitrophenol | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| | Pentachlorophenol | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| | Phenol | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <371 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <371 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 63 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 46 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 77 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| | TPH - DRO Non-Aqueous | 408 | | mg/kg dw | 09/03/2001 | 200 | 289 | <11 | meb | SW 8015M |
| | TPH - FTIR Non-aq | <56 | | mg/kg dw | 08/27/2001 | 597 | 629 | <56 | 260 | 418.1 |
| 701887 | SBI002:MW16D:S041055:480 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 15:45 |
| | Dry Weight | 93.1 | | % | 08/28/2001 | | 1486 | | mhg | SM 2540 G. |
| | Prep, BNA Non-Aq | Complete | | | 08/24/2001 | 955 | | Complete | rec | EPA 625; SW 3540C; SW 3545 |
| | Prep, TPH 418.1 Nonaq | COMPLETE | | | 08/27/2001 | 597 | | Complete | sub | SW 9071 |
| | Prep, TPH DRO Nonaq | Complete | | | 08/24/2001 | 200 | | Complete | rec | |
| | VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | |
| | 8260 - SW846 (Non-aq) | Complete | | | 08/24/2001 | | 1484 | Complete | dmg | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701887 | SBI002:MW16D:S041055:480 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 15:45 |
| Acetone | | <107 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <107 | dmg | SW 8260A |
| Benzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| tert-Butylbenzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| sec-Butylbenzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| n-Butylbenzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Bromochloromethane | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Bromodichloromethane | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Bromoform | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Bromobenzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| 2-Butanone (MEK) | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Carbon disulfide | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Carbon tetrachloride | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Chlorobenzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Chloroethane | | <10.7 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <10.7 | dmg | SW 8260A |
| 2-Chlorotoluene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| 4-Chlorotoluene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Chloroform | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Chloromethane | | <10.7 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <10.7 | dmg | SW 8260A |
| Dibromochloromethane | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Dibromomethane | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| Dichlorodifluoromethane | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| 1,2-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| 1,3-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| 1,4-Dichlorobenzene | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |
| 1,1-Dichloroethane | | <5.4 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.4 | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 701887 | SBI002:MW16D:S041055:480 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 15:45 |
| 1,2-Dichloroethane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| 1,1-Dichloroethene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| cis-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| trans-1,2-Dichloroethene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| 1,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| 1,3-Dichloropropane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| 2,2-Dichloropropane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| 1,1-Dichloropropene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| cis-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| trans-1,3-Dichloropropene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| Ethylbenzene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| Hexachlorobutadiene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| n-Hexane | | <21.5 | | ug/kg dw | 08/24/2001 | | 1484 | <21.5 | dmg | SW 8260A |
| 2-Hexanone | | <53.7 | | ug/kg dw | 08/24/2001 | | 1484 | <53.7 | dmg | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| p-Isopropyltoluene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| Bromomethane | | <10.7 | | ug/kg dw | 08/24/2001 | | 1484 | <10.7 | dmg | SW 8260A |
| Methylene Chloride | | <10.7 | | ug/kg dw | 08/24/2001 | | 1484 | <10.7 | dmg | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <53.7 | | ug/kg dw | 08/24/2001 | | 1484 | <53.7 | dmg | SW 8260A |
| n-Propylbenzene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| Styrene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| Naphthalene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |
| Tetrachloroethene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|-------------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 701887 | SBI002:MW16D:S041055:480 | | | | | | | | | | 08/22/2001 15:45 |
| Toluene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| 1,2,4-Trichlorobenzene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| 1,1,1-Trichloroethane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| 1,1,2-Trichloroethane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| Trichloroethene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| Trichlorofluoromethane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| 1,2,3-Trichloropropane | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| 1,2,4-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| 1,3,5-Trimethylbenzene | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| Vinyl Acetate | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 08/24/2001 | | 1484 | <2.1 | dmg | SW 8260A | |
| Xylenes, Total | | <5.4 | | ug/kg dw | 08/24/2001 | | 1484 | <5.4 | dmg | SW 8260A | |
| d4-1,2-Dichloroethane (surr) | | 102 | | † | 08/24/2001 | | 1484 | | dmg | SW 8260A | |
| Dibromofluoromethane (surr) | | 97 | | † | 08/24/2001 | | 1484 | | dmg | SW 8260A | |
| d8-Toluene (surr) | | 93 | | † | 08/24/2001 | | 1484 | | dmg | SW 8260A | |
| Bromofluorobenzene (surr) | | 92 | | † | 08/24/2001 | | 1484 | | dmg | SW 8260A | |
| BASE NEUT. COMPS.-8270 Non-aq | | | | | | | | | | | |
| Acenaphthene | | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Acenaphthylene | | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Anthracene | | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Benzo (a) anthracene | | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Benzo (b) fluoranthene | | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Benzo (k) fluoranthene | | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Benzo (a) pyrene | | <177 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <177 | jrw | SW 8270C | |
| Benzyl alcohol | | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|------------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 701887 | SBI002:MW16D:S041055:480 | | | | | | | | | | 08/22/2001 15:45 |
| | Benzo(a,b)fluoranthene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Bis(2-chloroethyl) ether | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Bis(2-chloroethoxy) methane | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Bis(2-ethylhexyl) phthalate | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 2,2'-oxybis(1-Chloropropane) | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 4-Bromophenyl phenyl ether | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 4-Chloroaniline | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 2-Chloronaphthalene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Chrysene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Dibenzo(a,h)anthracene | <177 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <177 | jrw | SW 8270C | |
| | Dibenzofuran | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 1,2-Dichlorobenzene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 1,3-Dichlorobenzene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 1,4-Dichlorobenzene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 3,3'-Dichlorobenzidine | <709 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <709 | jrw | SW 8270C | |
| | Diethyl phthalate | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Dimethyl phthalate | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 2,4-Dinitrotoluene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | 2,6-Dinitrotoluene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Di-n-octylphthalate | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Fluoranthene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Fluorene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Hexachlorobenzene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Hexachloro-1,3-butadiene | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| | Hexachlorocyclopentadiene | <709 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <709 | jrw | SW 8270C | |
| | Hexachloroethane | <354 | | ug/kg dw | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 701887 | SBI002:MW16D:S041055:480 | | | | | | | | | | 08/22/2001 15:45 |
| Indeno(1,2,3-cd)pyrene | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Isophorone | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Naphthalene | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Nitrobenzene | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| N-Nitrosodi-n-propylamine | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Phenanthrene | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Pyrene | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 1,2,4-Trichlorobenzene | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Surrogate: d5-Nitrobenzene | 91 | % | | | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorobiphenyl | 99 | % | | | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C | |
| Surrogate: d14-Terphenyl | 119 | % | | | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C | |
| ACID COMPOUNDS - 8270 Non-aq | | | | | | | | | | | |
| Benzoic Acid | <1,770 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <1,770 | jrw | SW 8270C | |
| 4-Chloro-3-methylphenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 2-Chlorophenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 2,4-Dichlorophenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 2,4-Dimethylphenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 2-Methyl-4,6-dinitrophenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 2-Methylphenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| meta & para-Methylphenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 2-Nitrophenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Pentachlorophenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| Phenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 2,4,5-Trichlorophenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |
| 2,4,6-Trichlorophenol | <354 | ug/kg dw | | | 08/28/2001 | 955 | 1476 | <354 | jrw | SW 8270C | |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701887 | SBI002:MW16D:S041055:480 | | | | | | | | | |
| | Surrogate: d6-Phenol | 82 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 76 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 94 | | % | 08/28/2001 | 955 | 1476 | | jrw | SW 8270C |
| | TPH - DRO Non-Aqueous | <11 | | mg/kg dw | 09/02/2001 | 200 | 288 | <11 | meb | SW 8015M |
| | TPH - FTIR Non-aq | <54 | | mg/kg dw | 08/27/2001 | 597 | 629 | <54 | 260 | 418.1 |

SAMPLE NO. 701888 **SAMPLE DESCRIPTION** SBI002:HMW19D:S080095:428 **DATE/TIME TAKEN** 08/22/2001 07:30

| | | | | | | | | | | |
|---------------------------|----------|---|----------|--|------------|-----|------|----------|-----|------------|
| Dry Weight | 90.5 | % | | | 08/28/2001 | | 1486 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 09/17/2001 | | 1269 | Complete | emd | SW 6010B |
| Arsenic, ICP | <3.6 | | mg/kg dw | | 09/17/2001 | 910 | 3010 | <3.6 | emd | SW 6010B |
| Barium, ICP | 8.83 | | mg/kg dw | | 09/17/2001 | 910 | 2941 | <0.73 | emd | SW 6010B |
| Cadmium, ICP | <1.1 | | mg/kg dw | | 09/17/2001 | 910 | 2923 | <1.1 | emd | SW 6010B |
| Chromium, ICP | 2.8 | | mg/kg dw | | 09/17/2001 | 910 | 2911 | <1.4 | emd | SW 6010B |
| Lead, ICP | <2.9 | | mg/kg dw | | 09/17/2001 | 910 | 2912 | <2.9 | emd | SW 6010B |
| Mercury, CVAA | <0.009 | | mg/kg dw | | 08/30/2001 | 617 | 633 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <3.6 | | mg/kg dw | | 09/17/2001 | 910 | 2990 | <3.6 | emd | SW 6010B |
| Silver, ICP | <1.4 | | mg/kg dw | | 09/17/2001 | 910 | 2943 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/29/2001 | 910 | | Complete | clm | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/29/2001 | 617 | | Complete | clm | SW 7471A |

VOLATILE COMPOUNDS-8260 Non-Aq

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 701888 | SBI002:HMW19D:S080095:428 | | | | | | | | | | 08/22/2001 07:30 |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/24/2001 | 1484 | Complete | | | dmg | |
| Acetone | <110 | ug/kg | dw | | 08/24/2001 | 1484 | <110 | | | dmg | SW 8260A |
| Benzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| tert-Butylbenzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| sec-Butylbenzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| n-Butylbenzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Bromochloromethane | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Bromodichloromethane | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Bromoform | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Bromobenzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| 2-Butanone (MEK) | <55 | ug/kg | dw | | 08/24/2001 | 1484 | <55 | | | dmg | SW 8260A |
| Carbon disulfide | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Carbon tetrachloride | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Chlorobenzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Chloroethane | <11.0 | ug/kg | dw | | 08/24/2001 | 1484 | <11.0 | | | dmg | SW 8260A |
| 2-Chlorotoluene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| 4-Chlorotoluene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Chloroform | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Chloromethane | <11.0 | ug/kg | dw | | 08/24/2001 | 1484 | <11.0 | | | dmg | SW 8260A |
| Dibromochloromethane | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Dibromomethane | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| Dichlorodifluoromethane | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| 1,2-Dichlorobenzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| 1,3-Dichlorobenzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |
| 1,4-Dichlorobenzene | <5.5 | ug/kg | dw | | 08/24/2001 | 1484 | <5.5 | | | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

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 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701888 | SBI002:HMW19D:S080095:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 07:30 |
| | 1,1-Dichloroethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,2-Dichloroethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,1-Dichloroethene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | cis-1,2-Dichloroethene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | trans-1,2-Dichloroethene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,2-Dichloropropane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,3-Dichloropropane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 2,2-Dichloropropane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,1-Dichloropropene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | cis-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | trans-1,3-Dichloropropene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Ethylbenzene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Hexachlorobutadiene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | n-Hexane | <22.1 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <22.1 | dmg | SW 8260A |
| | 2-Hexanone | <55.2 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <55.2 | dmg | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | p-Isopropyltoluene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Bromomethane | <11.0 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <11.0 | dmg | SW 8260A |
| | Methylene Chloride | <11.0 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <11.0 | dmg | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <55.2 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <55.2 | dmg | SW 8260A |
| | n-Propylbenzene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Styrene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Naphthalene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

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 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701889 | SBI002:HMW19D:S120130:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 07:40 |
| Dry Weight | 91.5 | % | | | 08/28/2001 | | 1486 | | emd | SM 2540 G. |
| ICP NONAQUEOUS | Complete | | | | 09/17/2001 | | 1269 | Complete | emd | SW 6010B |
| Arsenic, ICP | 5.7 | mg/kg dw | | | 09/17/2001 | 910 | 3010 | <3.6 | emd | SW 6010B |
| Barium, ICP | 16.3 | mg/kg dw | | | 09/17/2001 | 910 | 2941 | <0.72 | emd | SW 6010B |
| Cadmium, ICP | <1.1 | mg/kg dw | | | 09/17/2001 | 910 | 2923 | <1.1 | emd | SW 6010B |
| Chromium, ICP | 5.1 | mg/kg dw | | | 09/17/2001 | 910 | 2911 | <1.4 | emd | SW 6010B |
| Lead, ICP | 8 | mg/kg dw | | | 09/17/2001 | 910 | 2912 | <2.8 | emd | SW 6010B |
| Mercury, CVAA | 0.012 | mg/kg dw | | | 08/30/2001 | 617 | 633 | <0.009 | epk | SW 7471A |
| Selenium, ICP | <3.6 | mg/kg dw | | | 09/17/2001 | 910 | 2990 | <3.6 | emd | SW 6010B |
| Silver, ICP | <1.4 | mg/kg dw | | | 09/17/2001 | 910 | 2943 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | Complete | | | | 08/29/2001 | 910 | | Complete | clm | SW 3050B |
| Mercury Digestion, Non-Aq | Complete | | | | 08/29/2001 | 617 | | Complete | clm | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SW846 (Non-aq) | Complete | | | | 08/24/2001 | | 1484 | Complete | dmg | |
| Acetone | <109 | ug/kg dw | | | 08/24/2001 | | 1484 | <109 | dmg | SW 8260A |
| Benzene | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| tert-Butylbenzene | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| sec-Butylbenzene | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| n-Butylbenzene | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Bromochloromethane | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Bromodichloromethane | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Bromoform | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Bromobenzene | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 2-Butanone (MEK) | <55 | ug/kg dw | | | 08/24/2001 | | 1484 | <55 | dmg | SW 8260A |
| Carbon disulfide | <5.5 | ug/kg dw | | | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701889 | SBI002:HMW19D:S120130:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 07:40 |
| Carbon tetrachloride | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Chlorobenzene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Chloroethane | | <10.9 | | ug/kg dw | 08/24/2001 | | 1484 | <10.9 | dmg | SW 8260A |
| 2-Chlorotoluene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 4-Chlorotoluene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Chloroform | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Chloromethane | | <10.9 | | ug/kg dw | 08/24/2001 | | 1484 | <10.9 | dmg | SW 8260A |
| Dibromochloromethane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Dibromomethane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Dichlorodifluoromethane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,2-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,3-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,4-Dichlorobenzene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,1-Dichloroethane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,2-Dichloroethane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,1-Dichloroethene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| cis-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| trans-1,2-Dichloroethene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,3-Dichloropropane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 2,2-Dichloropropane | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| 1,1-Dichloropropene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| cis-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| trans-1,3-Dichloropropene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| Ethylbenzene | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 701889 | SBI002:HMW19D:S120130:428 | | | | | | | | | |
| | hexachlorobutadiene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | n-Hexane | <21.9 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <21.9 | dmg | SW 8260A |
| | 2-Hexanone | <54.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <54.6 | dmg | SW 8260A |
| | Isopropylbenzene (Cumene) | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | p-Isopropyltoluene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Bromomethane | <10.9 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <10.9 | dmg | SW 8260A |
| | Methylene Chloride | <10.9 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <10.9 | dmg | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <54.6 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <54.6 | dmg | SW 8260A |
| | n-Propylbenzene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Styrene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Naphthalene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,1,2,2-Tetrachloroethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Tetrachloroethene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Toluene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,2,4-Trichlorobenzene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,1,1-Trichloroethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,1,2-Trichloroethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Trichloroethene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Trichlorofluoromethane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,2,3-Trichloropropane | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,2,4-Trimethylbenzene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | 1,3,5-Trimethylbenzene | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Vinyl Acetate | <5.5 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <5.5 | dmg | SW 8260A |
| | Vinyl Chloride | <2.2 | | ug/kg dw | 08/24/2001 | 1484 | 1484 | <2.2 | dmg | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|----------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | | |
| 701889 | SBI002:HMW19D:S120130:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 07:40 |
| Xylenes, Total | | <5.5 | | ug/kg dw | 08/24/2001 | | 1484 | <5.5 | dmg | SW 8260A |
| d4-1,2-Dichloroethane(surr) | | 99 | | % | 08/24/2001 | | 1484 | | dmg | SW 8260A |
| Dibromofluoromethane(surr) | | 96 | | % | 08/24/2001 | | 1484 | | dmg | SW 8260A |
| d8-Toluene(surr) | | 93 | | % | 08/24/2001 | | 1484 | | dmg | SW 8260A |
| Bromofluorobenzene(surr) | | 92 | | % | 08/24/2001 | | 1484 | | dmg | SW 8260A |
| 701890 | SBI002:FB1:W082201:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 17:00 |
| ICPMS TOTAL METALS | Complete | | | | 08/31/2001 | | 2491 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 08/31/2001 | 1816 | 3600 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | <0.0050 | | | mg/L | 08/31/2001 | 1816 | 3809 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 08/31/2001 | 1816 | 3479 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 08/31/2001 | 1816 | 3868 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | <0.0010 | | | mg/L | 08/31/2001 | 1816 | 3557 | <0.0010 | ekh | SW 6020 |
| Mercury,CVAA | <0.0002 | | | mg/L | 08/27/2001 | 1377 | 1324 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/07/2001 | 735 | 571 | <0.0050 | jad | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 08/31/2001 | 1816 | 3812 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 08/28/2001 | 1816 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 08/24/2001 | 735 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 08/27/2001 | 1377 | | Complete | clm | SW 7470A |
| Prep, Base Neutral | Complete | | | | 08/23/2001 | 1260 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 08/23/2001 | 1260 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701890 | SBI002:FB1:W082201:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 17:00 |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,1-Dichloroethane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,2-Dichloroethane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,1-Dichloroethene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| cis-1,2-Dichloroethene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| trans-1,2-Dichloroethene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,2-Dichloropropane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,3-Dichloropropane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 2,2-Dichloropropane | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| 1,1-Dichloropropene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| cis-1,3-Dichloropropene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| trans-1,3-Dichloropropene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Ethylbenzene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Hexachlorobutadiene | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| n-Hexane | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| 2-Hexanone | <12.5 | ug/L | | 08/27/2001 | 3525 | <12.5 | mrh | SW 8260A | | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| p-Isopropyltoluene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |
| Bromomethane | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| Methylene Chloride | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| Methyl t-butyl ether (MTBE) | <5.0 | ug/L | | 08/27/2001 | 3525 | <5.0 | mrh | SW 8260A | | |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | | 08/27/2001 | 3525 | <12.5 | mrh | SW 8260A | | |
| n-Propylbenzene | <1.0 | ug/L | | 08/27/2001 | 3525 | <1.0 | mrh | SW 8260A | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701890 | SBI002:FB1:W082201:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 17:00 |
| Styrene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Naphthalene | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 102 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| Dibromofluoromethane (surr) | | 102 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| d8-Toluene (surr) | | 98 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| Bromofluorobenzene (surr) | | 101 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 08/29/2001 | 1260 | 2672 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 08/29/2001 | 1260 | 2672 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 08/29/2001 | 1260 | 2672 | <10 | jrjw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701891 | SBI002:TB1:W082201:428 | | | | | | | | | |
| DATE/TIME TAKEN | | | | | | | | | | |
| 08/22/2001 | | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 08/27/2001 | 3525 | Complete | | mrh | |
| Acetone | <20.0 | ug/L | | | 08/27/2001 | 3525 | <20.0 | | mrh | SW 8260A |
| Benzene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| tert-Butylbenzene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| sec-Butylbenzene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| n-Butylbenzene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Bromochloromethane | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Bromodichloromethane | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Bromoform | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Bromobenzene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 08/27/2001 | 3525 | <12.5 | | mrh | SW 8260A |
| Carbon disulfide | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Carbon tetrachloride | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Chlorobenzene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Chloroethane | <5.0 | ug/L | | | 08/27/2001 | 3525 | <5.0 | | mrh | SW 8260A |
| 2-Chlorotoluene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| 4-Chlorotoluene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Chloroform | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Chloromethane | <5.0 | ug/L | | | 08/27/2001 | 3525 | <5.0 | | mrh | SW 8260A |
| Dibromochloromethane | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Dibromomethane | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 08/27/2001 | 3525 | <5.0 | | mrh | SW 8260A |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | | 08/27/2001 | 3525 | <1.0 | | mrh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 701891 | SBI002:TB1:W082201:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Ethylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Hexachlorobutadiene | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| n-Hexane | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 2-Hexanone | | <12.5 | | ug/L | 08/27/2001 | | 3525 | <12.5 | mrh | SW 8260A |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| p-Isopropyltoluene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Bromomethane | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| Methylene Chloride | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 08/27/2001 | | 3525 | <12.5 | mrh | SW 8260A |
| n-Propylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Styrene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Naphthalene | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/18/2001

Job Number: 01.15323

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 701891 | SBI002:TB1:W082201:428 | | | | | | | | | DATE/TIME TAKEN 08/22/2001 |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Tetrachloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Toluene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Trichloroethene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Trichlorofluoromethane | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Vinyl Acetate | | <5.0 | | ug/L | 08/27/2001 | | 3525 | <5.0 | mrh | SW 8260A |
| Vinyl Chloride | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| Xylenes | | <1.0 | | ug/L | 08/27/2001 | | 3525 | <1.0 | mrh | SW 8260A |
| d4-1,2-Dichloroethane (surr) | | 102 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| Dibromofluoromethane (surr) | | 101 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| d8-Toluene (surr) | | 99 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |
| Bromofluorobenzene (surr) | | 102 | | % | 08/27/2001 | | 3525 | | mrh | SW 8260A |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.15323

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.15323

Sample Number: 701886

Analysis: 8260 soil

Due to matrix interference, recovery of surrogate Bromofluorobenzene exceeded the recommended 74-121 % range. Results were confirmed with replicate analysis.



CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. 5349

Dublin
 6130 Wilcox Road
 Dublin, Ohio 43016
 Phone: (614)385-8777
 FAX: (614)385-9070

Toledo
 3401 Glendale Avenue
 SUITE 300
 Toledo, Ohio 43614
 Phone: (419)385-2018
 FAX: (419)385-5499

Warrensville Heights
 4949 Galaxy Parkway, Suite S
 Warrensville Heights, Ohio 44128
 Phone: (216)514-7100
 FAX: (216)514-7104

REPORT TO: KEVIN McEDMAN

Client: SOUTH BEACH
 Site: AREA A
 Project#: SB1002 Phase: 01.15T
 Samplers: James Patrick Hogan

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | SAMPLING DATE/TIME | PRESERVATIVES | | METALS | | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------------------|---------------|----------|--------|---|----------|
| | | | | | | AIR | ASBESTOS | F | N | |
| SB1002 | MW1002 | SO10020 | 400 | 4 | 8-22-01 15:25 | X | X | X | X | TRH ORG |
| SB1002 | MW1002 | SO10055 | 400 | 4 | 8-22-01 15:45 | X | X | X | X | TRH ORG |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |
| : | : | : | : | : | : | | | | | |

RELINQUISHED BY: [Signature] DATE: 8-22-01 TIME: 18:00
 RELINQUISHED BY: [Signature] DATE: 8-22-01 TIME: 18:00
 RELINQUISHED BY: [Signature] DATE: 8-22-01 TIME: 18:00

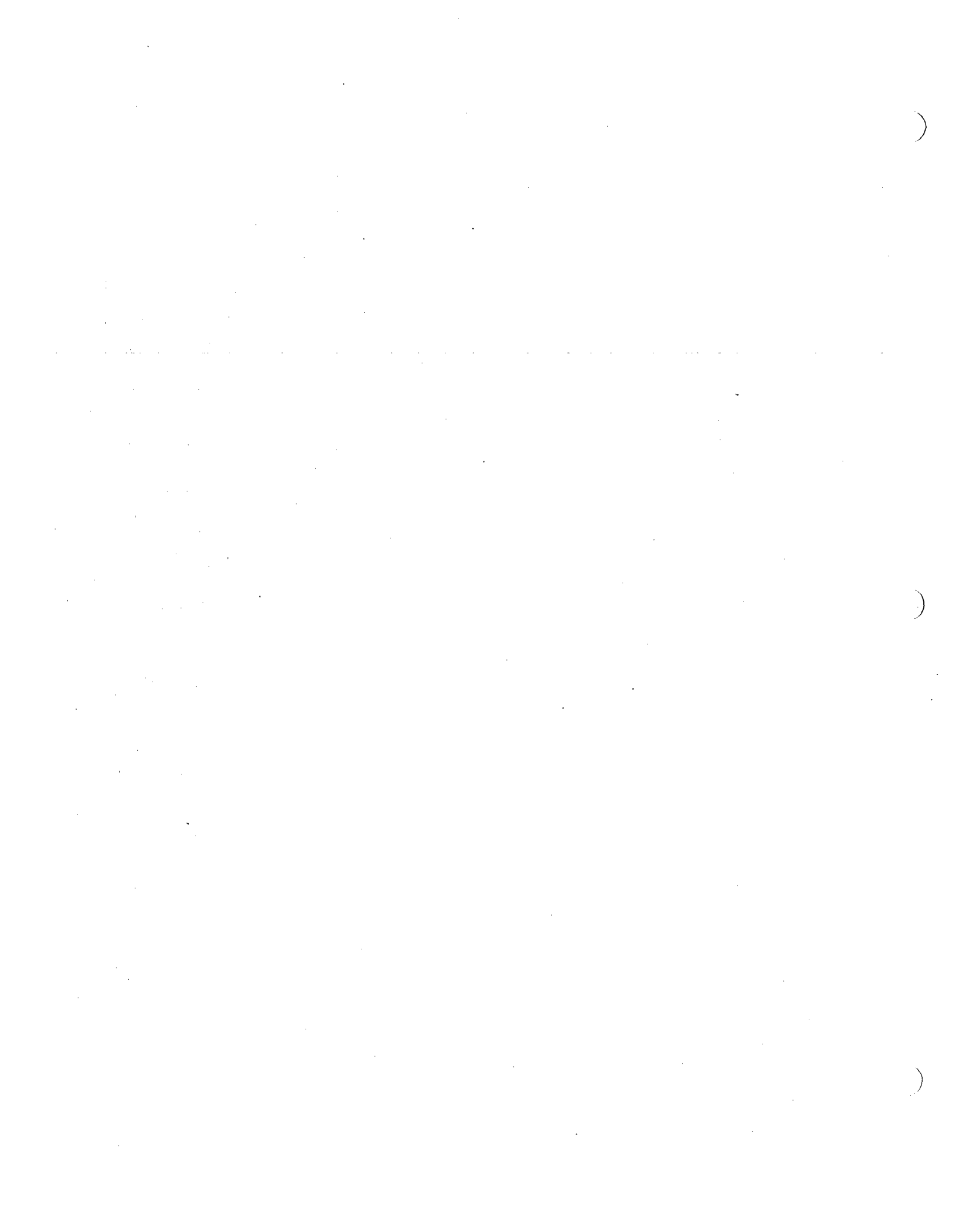
RECEIVED BY: [Signature] DATE: 8-22-01 TIME: 18:00
 RECEIVED BY: [Signature] DATE: 8-22-01 TIME: 18:00

RECEIVED FOR LAB USE: [Signature] DATE: 8-22-01 TIME: 18:00

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

COOLER TEMPERATURE AS RECEIVED °C : 4.0

Deliver To: TEST AMERICA
 Method of Delivery: Fed Ex
 Airbill Number: 826265967981
 NOTES: Check temp from TRH BEACH
 TURN AROUND TIME: 5T DAYS



TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/24/2001

Job Number: 01.15744

Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 703269 | SBI002:MW17D:S005020:428 | 08/27/2001 | 08/30/2001 |
| 703270 | SBI002:TB-1:W082901:428 | 08/27/2001 | 08/30/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

TestAmerica, Incorporated

PAGE 2 of 9

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/24/2001

Job Number: 01.15744

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|----------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 703269 | SBI002:MW17D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/27/2001 10:00 |
| Dry Weight | | 95.2 | | % | 09/05/2001 | | 1491 | | mhg | SM 2540 G. |
| ICP NONAQUEOUS | | Complete | | | 09/22/2001 | | 1280 | Complete | emd | SW 6010B |
| Arsenic, ICP | | <3.4 | | mg/kg dw | 09/22/2001 | 916 | 3023 | <3.4 | emd | SW 6010B |
| Barium, ICP | | 22.1 | | mg/kg dw | 09/22/2001 | 916 | 2954 | <0.67 | emd | SW 6010B |
| Cadmium, ICP | | <1.0 | | mg/kg dw | 09/22/2001 | 916 | 2936 | <1.0 | emd | SW 6010B |
| Chromium, ICP | | 4.7 | | mg/kg dw | 09/22/2001 | 916 | 2924 | <1.4 | emd | SW 6010B |
| Lead, ICP | | 13.4 | | mg/kg dw | 09/22/2001 | 916 | 2925 | <2.7 | emd | SW 6010B |
| Mercury, CVAA | | 0.038 | | mg/kg dw | 09/10/2001 | 625 | 642 | <0.008 | epk | SW 7471A |
| Selenium, ICP | | <3.4 | | mg/kg dw | 09/22/2001 | 916 | 3003 | <3.4 | emd | SW 6010B |
| Silver, ICP | | <1.4 | | mg/kg dw | 09/22/2001 | 916 | 2956 | <1.4 | emd | SW 6010B |
| ICP Digestion, Nonaqueous | | Complete | | | 09/06/2001 | 916 | | Complete | clm | SW 3050B |
| Mercury Digestion, Non-Aq | | Complete | | | 09/07/2001 | 625 | | Complete | clm | SW 7471A |
| VOLATILE COMPOUNDS-8260 Non-Aq | | | | | | | | | | |
| 8260 - SWB46 (Non-aq) | | Complete | | | 09/01/2001 | | 1494 | Complete | jxc | |
| Acetone | | <105 | | ug/kg dw | 09/01/2001 | | 1494 | <105 | jxc | SW 8260A |
| Benzene | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| tert-Butylbenzene | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| sec-Butylbenzene | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| n-Butylbenzene | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| Bromochloromethane | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| Bromodichloromethane | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| Bromoform | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| Bromobenzene | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| 2-Butanone (MEK) | | <53 | | ug/kg dw | 09/01/2001 | | 1494 | <53 | jxc | SW 8260A |
| Carbon disulfide | | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/24/2001

Job Number: 01.15744

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 703269 | SBI002:MW17D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/27/2001 10:00 |
| | Carbon tetrachloride | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | Chlorobenzene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | Chloroethane | <10.5 | | ug/kg dw | 09/01/2001 | | 1494 | <10.5 | jxc | SW 8260A |
| | 2-Chlorotoluene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 4-Chlorotoluene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | Chloroform | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | Chloromethane | <10.5 | | ug/kg dw | 09/01/2001 | | 1494 | <10.5 | jxc | SW 8260A |
| | Dibromochloromethane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | Dibromomethane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | Dichlorodifluoromethane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,2-Dibromo-3-chloropropane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,2-Dichlorobenzene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,3-Dichlorobenzene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,4-Dichlorobenzene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,1-Dichloroethane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,2-Dichloroethane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,1-Dichloroethene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | cis-1,2-Dichloroethene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | trans-1,2-Dichloroethene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,2-Dichloropropane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,3-Dichloropropane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 2,2-Dichloropropane | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | 1,1-Dichloropropene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | cis-1,3-Dichloropropene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | trans-1,3-Dichloropropene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |
| | Ethylbenzene | <5.3 | | ug/kg dw | 09/01/2001 | | 1494 | <5.3 | jxc | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/24/2001

Job Number: 01.15744

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|----------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 703269 | SBI002:MW17D:S005020:428 | | | | | | | | | DATE/TIME TAKEN 08/27/2001 10:00 |
| Hexachlorobutadiene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| n-Hexane | | <21.0 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <21.0 | jxc | SW 8260A |
| 2-Hexanone | | <52.5 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <52.5 | jxc | SW 8260A |
| Isopropylbenzene (Cumene) | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| p-Isopropyltoluene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Bromomethane | | <10.5 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <10.5 | jxc | SW 8260A |
| Methylene Chloride | | <10.5 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <10.5 | jxc | SW 8260A |
| Methyl t-butyl ether (MTBE) | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 4-Methyl-2-pentanone (MIBK) | | <52.5 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <52.5 | jxc | SW 8260A |
| n-Propylbenzene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Styrene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Naphthalene | | <10.5 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 1,1,1,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 1,1,2,2-Tetrachloroethane | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Tetrachloroethene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Toluene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 1,2,4-Trichlorobenzene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 1,1,1-Trichloroethane | | 10 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 1,1,2-Trichloroethane | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Trichloroethene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Trichlorofluoromethane | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 1,2,3-Trichloropropane | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 1,2,4-Trimethylbenzene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| 1,3,5-Trimethylbenzene | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Vinyl Acetate | | <5.3 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <5.3 | jxc | SW 8260A |
| Vinyl Chloride | | <2.1 | | ug/kg dw | 09/01/2001 | 1494 | 1494 | <2.1 | jxc | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/24/2001

Job Number: 01.15744

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|-------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 703270 | SBI002:TB-1:W082901:428 | | | | | | | | | DATE/TIME TAKEN 08/27/2001 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/06/2001 | 3548 | 3548 | Complete | mrh | |
| Acetone | | <20.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <20.0 | mrh | SW 8260A |
| Benzene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| n-Butylbenzene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Bromochloromethane | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Bromodichloromethane | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Bromoform | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Bromobenzene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/06/2001 | 3548 | 3548 | <12.5 | mrh | SW 8260A |
| Carbon disulfide | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Chlorobenzene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Chloroethane | | <5.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <5.0 | mrh | SW 8260A |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Chloroform | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Chloromethane | | <5.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <5.0 | mrh | SW 8260A |
| Dibromochloromethane | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Dibromomethane | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <5.0 | mrh | SW 8260A |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/06/2001 | 3548 | 3548 | <1.0 | mrh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

09/24/2001

Job Number: 01.15744

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 703270 | SBI002:TB-1:W082901:428 | | | | | | | | | DATE/TIME TAKEN 08/27/2001 |
| | 1,1-Dichlorobenzene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | Ethylbenzene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/06/2001 | | 3548 | <5.0 | mrh | SW 8260A |
| | n-Hexane | <5.0 | | ug/L | 09/06/2001 | | 3548 | <5.0 | mrh | SW 8260A |
| | 2-Hexanone | <12.5 | | ug/L | 09/06/2001 | | 3548 | <12.5 | mrh | SW 8260A |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | Bromomethane | <5.0 | | ug/L | 09/06/2001 | | 3548 | <5.0 | mrh | SW 8260A |
| | Methylene Chloride | <5.0 | | ug/L | 09/06/2001 | | 3548 | <5.0 | mrh | SW 8260A |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/06/2001 | | 3548 | <5.0 | mrh | SW 8260A |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/06/2001 | | 3548 | <12.5 | mrh | SW 8260A |
| | n-Propylbenzene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | Styrene | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |
| | Naphthalene | <5.0 | | ug/L | 09/06/2001 | | 3548 | <5.0 | mrh | SW 8260A |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/06/2001 | | 3548 | <1.0 | mrh | SW 8260A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

09/24/2001

Job Number: 01.15744

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 703270 | SBI002:TB-1:W082901:428 | | | | | | | | | DATE/TIME TAKEN 08/27/2001 |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| Tetrachloroethene | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| Toluene | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| 1,2,4-Trichlorobenzene | <5.0 | ug/L | 09/06/2001 | 3548 | <5.0 | mrh | SW 8260A | | | |
| 1,1,1-Trichloroethane | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| 1,1,2-Trichloroethane | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| Trichloroethene | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| Trichlorofluoromethane | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| 1,2,3-Trichloropropane | <5.0 | ug/L | 09/06/2001 | 3548 | <5.0 | mrh | SW 8260A | | | |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| 1,3,5-Trimethylbenzene | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| Vinyl Acetate | <5.0 | ug/L | 09/06/2001 | 3548 | <5.0 | mrh | SW 8260A | | | |
| Vinyl Chloride | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| Xylenes | <1.0 | ug/L | 09/06/2001 | 3548 | <1.0 | mrh | SW 8260A | | | |
| d4-1,2-Dichloroethane (surr) | 103 | % | 09/06/2001 | 3548 | | mrh | SW 8260A | | | |
| Dibromofluoromethane (surr) | 103 | % | 09/06/2001 | 3548 | | mrh | SW 8260A | | | |
| d8-Toluene (surr) | 100 | % | 09/06/2001 | 3548 | | mrh | SW 8260A | | | |
| Bromofluorobenzene (surr) | 106 | % | 09/06/2001 | 3548 | | mrh | SW 8260A | | | |

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QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.15744

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

TestAmerica, Inc.
Dayton Division

EXCEEDENCE REPORT
09/24/2001 15:40

No permits specified for job 01.15419

)

)

)

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17437

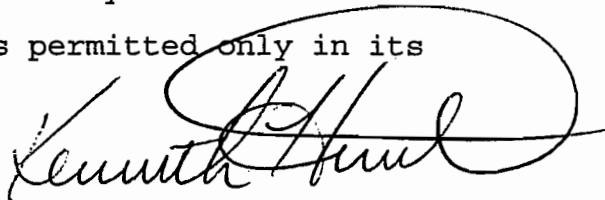
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 708596 | SBI002:HMW6D:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708597 | SBI002:HMW4S:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708598 | SBI002:HMW6S:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708599 | SBI002:HMW3S:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708600 | SBI002:MW14:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708601 | SBI002:HMW24D:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708602 | SBI002:HMW20S:G092001:503 | 09/20/2001 | 09/21/2001 |
| 708603 | SBI002:FB1:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708604 | SBI002:FB2:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708605 | SBI002:HMW5S:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708606 | SBI002:SB1:G092001:523 | 09/20/2001 | 09/21/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure



Approved By

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|--------------------------------|--------------------------|----------|------|-------|---------------|-------------------|------------------|-----------------|------------------|-----------------------------|------------------|
| | | | | | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 | |
| 708596 | SBI002:HMW6D:G092001:523 | | | | | | | | | | 09/20/2001 07:55 |
| ICPMS TOTAL METALS | | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 | |
| | Barium, ICPMS | 0.0390 | | mg/L | 10/03/2001 | 1851 | 3923 | <0.0050 | kmb | SW 6020 | |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 | |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 | |
| | Lead, ICPMS | 0.0019 | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 | |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A | |
| | Selenium, GFAA | <0.0050 | SS | mg/L | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 | |
| | Silver, ICPMS | <0.0005 | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 | |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A | |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A | |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A | |
| | Prep, Base Neutral | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 | |
| | Prep, Acid Extractable | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3608 | Complete | dmg | | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B | |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708596 | SBI002:HMW6D:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:55 |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3608 | | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3608 | | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Trichloroethene | 6.7 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708596 | SBI002:HMW6D:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:55 |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 110 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 105 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 97 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 103 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Chrysene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|----------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708596 | SBI002:HMW6D:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:55 |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/29/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/29/2001 | 1279 | 2710 | <20 | jcs | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 89 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708596 | SBI002:HMW6D:G092001:523 | | | | | | | | | |
| | Surrogate: 2-Fluorobiphenyl | 87 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: d14-Terphenyl | 54 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | |
| | Benzoic acid | <52 | | ug/L | 09/29/2001 | 1279 | 2710 | <52 | jcs | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 67 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 72 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 71 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 10/02/2001 | | 86 | <1 | meb | SW 8015M |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708597 | SBI002:HMW4S:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:15 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | ICPMS TOTAL METALS | Complete | | | 10/03/2001 | | 2583 | Complete | kmb | SW 6020 |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| | Barium, ICPMS | 0.0290 | | mg/L | 10/03/2001 | 1851 | 3923 | <0.0050 | kmb | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| | Lead, ICPMS | 0.0034 | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3608 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708597 | SBI002:HMW4S:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:15 |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | 3608 | 3608 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 708597 | SBI002:HMW4S:G092001:523 | | | | | | | | | | 09/20/2001 08:15 |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B | |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B | |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3608 | | <12.5 | dmg | SW 8260B | |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B | |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3608 | | <12.5 | dmg | SW 8260B | |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B | |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Trichloroethene | 4.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B | |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708597 | SBI002:HMW4S:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:15 |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <52 | | ug/L | 09/28/2001 | 1279 | 2710 | <52 | jcs | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <21 | | ug/L | 09/28/2001 | 1279 | 2710 | <21 | jcs | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 80 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708597 | SBI002:HMW4S:G092001:523 | | | | | | | | | |
| | Surrogate: 2-Fluorobiphenyl | 85 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: d14-Terphenyl | 61 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | |
| | Benzoic acid | <52 | | ug/L | 09/28/2001 | 1279 | 2710 | <52 | jcs | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 61 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 68 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 54 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 10/02/2001 | | 86 | <1 | mcb | SW 8015M |

TestAmerica, Incorporated

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ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Limit | Initials | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Number | | | |
| 708598 | SBI002:HMW6S:G092001:523 | | | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:40 |
| ICPMS TOTAL METALS | | | | | | | | | | | | |
| | ICPMS TOTAL METALS | Complete | | | 10/03/2001 | | 2583 | Complete | kmb | | | SW 6020 |
| | Arsenic, ICPMS | 0.0542 | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | | | SW 6020 |
| | Barium, ICPMS | 0.231 | | mg/L | 10/03/2001 | 1851 | 3923 | <0.0050 | kmb | | | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | | | SW 6020 |
| | Chromium, ICPMS (0.005) | 0.0474 | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | | | SW 6020 |
| | Lead, ICPMS | 0.0950 | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | | | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | | | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/28/2001 | 754 | 579 | <0.0050 | lnh | | | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | | | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | | | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 754 | | Complete | mrt | | | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | | | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/26/2001 | 1279 | | Complete | rec | | | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/26/2001 | 1279 | | Complete | rec | | | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3608 | Complete | dmg | | | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | | | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | | | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | | | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | | | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | | | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | | | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | | | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | | | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | | | SW 8260B |

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ANALYTICAL REPORT

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10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708598 | SBI002:HMW6S:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:40 |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3608 | | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3608 | | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Trichloroethene | 4.1 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

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 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708598 | SBI002:HMW6S:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:40 |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 111 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 105 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 99 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 100 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Chrysene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

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10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|--------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708598 | SBI002:HMW6S:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:40 |
| Dibenzo(a,h)anthracene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/29/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/29/2001 | 1279 | 2710 | <20 | jcs | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 88 | note | † | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |

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10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|--------------------------|-----------------------------|--------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 708598 | SBI002:HMW6S:G092001:523 | | | | | | | | | | 09/20/2001 07:40 |
| | Surrogate: 2-Fluorobiphenyl | 66 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: d14-Terphenyl | 41 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/29/2001 | 1279 | 2710 | <50 | jcs | SW 8270C | |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Chlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | meta & para-Methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Nitrophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Pentachlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Phenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Surrogate: d6-Phenol | 73 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 73 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: Tribromophenol | 63 | | % | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 10/02/2001 | | 86 | <1 | meb | SW 8015M | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708599 | SBI002:HMW3S:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:30 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 10/03/2001 | | 2583 | Complete | kmb | SW 6020 |
| Arsenic, ICPMS | 0.0189 | mg/L | | | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | 0.0814 | mg/L | | | 10/03/2001 | 1851 | 3923 | <0.0050 | kmb | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | 0.0127 | mg/L | | | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | 0.0313 | mg/L | | | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3608 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708600 | SBI002:MW14:G092001:523 | | | | 09/26/2001 | | 3608 | Complete | dmg | DATE/TIME TAKEN 09/20/2001 08:45 |

VOLATILE COMPOUNDS - 8260 (AQ)

| Sample No. | Sample Description | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------|----------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | | 3608 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708600 | SBI002:MW14:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:45 |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 708600 | SBI002:MW14:G092001:523 | | | | | | | | | | 09/20/2001 08:45 |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | 1,1,1-Trichloroethane | 3.7 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | d4-1,2-Dichloroethane (surr) | 109 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B | |
| | Dibromofluoromethane (surr) | 105 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B | |
| | d8-Toluene (surr) | 101 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B | |
| | Bromofluorobenzene (surr) | 100 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708601 | SBI002:HMW24D:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:50 |
| ICPMS TOTAL METALS | Complete | | | | 10/03/2001 | | 2583 | Complete | kmb | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | | | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | 0.0556 | mg/L | | | 10/03/2001 | 1851 | 3923 | <0.0050 | kmb | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | | | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | 0.0017 | mg/L | | | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3608 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 708601 | SBI002:HMW24D:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:50 |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 708601 | SBI002:HMW24D:G092001:523 | | | | | | | | | | 09/20/2001 08:50 |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B | |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B | |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | 1,1,1-Trichloroethane | 3.7 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B | |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|--|
| | | | | | | Batch Number | Batch Number | | | |
| 708601 | SBI002:HMW24D:G092001:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:50 |

| | | | | | | | | |
|------------------------------|------|------|--|------------|------|------|-----|----------|
| Xylenes | <1.0 | ug/L | | 09/26/2001 | 3608 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | 108 | % | | 09/26/2001 | 3608 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | 104 | % | | 09/26/2001 | 3608 | | dmg | SW 8260B |
| d8-Toluene (surr) | 96 | % | | 09/26/2001 | 3608 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | 98 | % | | 09/26/2001 | 3608 | | dmg | SW 8260B |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|---------------------------|------------------|
| 708602 | SBI002:HMW20S:G092001:503 | 09/20/2001 09:30 |

| | | | | | | |
|------------------------|----------|------------|------|----------|-----|-----------------------------|
| Prep, Base Neutral | Complete | 09/26/2001 | 1279 | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | 09/26/2001 | 1279 | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |

VOLATILE COMPOUNDS - 8260 (AQ)

| | | | | | | |
|----------------------|----------|------------|------------|----------|-------|--------------|
| 8260 - SW846 (AQ) | Complete | 09/26/2001 | 3608 | Complete | dmg | |
| Acetone | <20.0 | ug/L | 09/26/2001 | 3608 | <20.0 | dmg SW 8260B |
| Benzene | <1.0 | ug/L | 09/26/2001 | 3608 | <1.0 | dmg SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | 09/26/2001 | 3608 | <1.0 | dmg SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | 09/26/2001 | 3608 | <1.0 | dmg SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | 09/26/2001 | 3608 | <1.0 | dmg SW 8260B |
| Bromochloromethane | <1.0 | ug/L | 09/26/2001 | 3608 | <1.0 | dmg SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | 09/26/2001 | 3608 | <1.0 | dmg SW 8260B |
| Bromoform | <1.0 | ug/L | 09/26/2001 | 3608 | <1.0 | dmg SW 8260B |
| Bromobenzene | <1.0 | ug/L | 09/26/2001 | 3608 | <1.0 | dmg SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708602 | SBI002:HMW20S:G092001:503 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 09:30 |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | 3608 | | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708603 | SBI002:FB1:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 09:00 |
| ICPMS TOTAL METALS | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | <0.0050 | | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | <0.0010 | | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, PCBs Aqueous 8082 | Complete | | | | 09/25/2001 | 69 | | Complete | eap | SW 3510C; SW 3520C |
| Prep, TPH - 418.1 aq | Complete | | | | 09/27/2001 | 604 | | Complete | 260 | EPA 418.1 |
| Prep, TPH DRO Aqueous | Complete | | | | 09/25/2001 | 125 | | Complete | mem | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3608 | Complete | dmg | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708603 | SBI002:FB1:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 09:00 |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708603 | SBI002:FB1:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 09:00 |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 108 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 100 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 97 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 102 | | % | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo (a) anthracene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo (b) fluoranthene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo (k) fluoranthene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo (a) pyrene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis (2-Chloroethyl) ether | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis (2-Chloroethoxy) methane | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis (2-Ethylhexyl) phthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,2'-oxybis (1-Chloropropane) | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708603 | SBI002:FB1:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 09:00 |
| | 4-Chloroaniline | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Chrysene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/28/2001 | 1279 | 2710 | <20 | jcs | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708603 | SBI002:FB1:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 09:00 |
| Pyrene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 84 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 88 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 95 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Phenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Surrogate: d6-Phenol | | 78 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | | 80 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | | 96 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| PCB's M 8082. Aqueous | | | | | | | | | | |
| Aroclor 1016 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1221 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708603 | SBI002:FB1:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 09:00 |
| Aroclor 1232 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrbr | SW 8082 |
| Aroclor 1242 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrbr | SW 8082 |
| Aroclor 1248 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrbr | SW 8082 |
| Aroclor 1254 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrbr | SW 8082 |
| Aroclor 1260 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrbr | SW 8082 |
| Surrogate:DCB/TCX | | 76/58 | | % | 09/28/2001 | 69 | 128 | | mrbr | SW 8082 |
| TPH - DRO AQUEOUS | | <1 | | mg/L | 09/26/2001 | 125 | 213 | <1 | meb | SW 8015M |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 10/02/2001 | | 86 | <1 | meb | SW 8015M |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 09/28/2001 | 604 | 725 | <0.2 | 260 | EPA 418.1 |

SAMPLE NO. 708604 **SAMPLE DESCRIPTION SBI002:FB2:G092001:523** **DATE/TIME TAKEN 09/20/2001 14:00**

| | | | | | | | | | | |
|-------------------------|----------|--|------|--|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | mg/L | | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | <0.0050 | | mg/L | | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | mg/L | | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | mg/L | | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | <0.0010 | | mg/L | | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | | mg/L | | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | mg/L | | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | mg/L | | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708604 | SBI002:FB2:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 14:00 |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, PCBs Aqueous 8082 | Complete | | | 09/25/2001 | 69 | | Complete | eap | SW 3510C; SW 3520C |
| | Prep, TPH - 418.1 aq | Complete | | | 09/27/2001 | 604 | | Complete | 260 | EPA 418.1 |
| | Prep, TPH DRO Aqueous | Complete | | | 09/25/2001 | 125 | | Complete | mem | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3608 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708604 | SBI002:FB2:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 14:00 |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3608 | 3608 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 708604 | SBI002:FB2:G092001:523 | | | | | | | | | | 09/20/2001 14:00 |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B | |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3608 | 3608 | <12.5 | dmg | SW 8260B | |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B | |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B | |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B | |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B | |
| | d4-1,2-Dichloroethane (surr) | 111 | | % | 09/26/2001 | 3608 | 3608 | | dmg | SW 8260B | |
| | Dibromofluoromethane (surr) | 106 | | % | 09/26/2001 | 3608 | 3608 | | dmg | SW 8260B | |
| | d8-Toluene (surr) | 97 | | % | 09/26/2001 | 3608 | 3608 | | dmg | SW 8260B | |
| | Bromofluorobenzene (surr) | 102 | | % | 09/26/2001 | 3608 | 3608 | | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------|-------------------------------------|------|-------|------------|-------|-------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708604 | SBI002:FB2:G092001:523 | | | | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | | DATE/TIME TAKEN 09/20/2001 14:00 | | | | | | | | |

BASE NEUTRAL COMP. (AQ) 8270

| | | | | | | | | |
|------------------------------|-----|------|------------|------|------|-----|-----|----------|
| Acenaphthene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Acenaphthylene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Anthracene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(a)anthracene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(b)fluoranthene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(k)fluoranthene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo(a)pyrene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl alcohol | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl butyl phthalate | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Chloroethyl)ether | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Chloroethoxy)methane | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis(2-Ethylhexyl)phthalate | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Chloroaniline | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Chloronaphthalene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Chrysene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dibenzofuran | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | <50 | ug/L | 09/29/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| Diethyl phthalate | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dimethyl phthalate | <10 | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708604 | SBI002:FB2:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 14:00 |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/29/2001 | 1279 | 2710 | <20 | jcs | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 92 | | ‡ | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 94 | | ‡ | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | | 93 | | ‡ | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/29/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708604 | SBI002:FB2:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 14:00 |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Phenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Surrogate: d6-Phenol | | 81 | | † | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | | 81 | | † | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | | 93 | | † | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| PCB's M 8082. Aqueous | | | | | | | | | | |
| Aroclor 1016 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1221 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1232 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1242 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1248 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1254 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1260 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Surrogate:DCB/TCX | | 81/58 | | † | 09/28/2001 | 69 | 128 | | mrh | SW 8082 |
| TPH - DRO AQUEOUS | | <1 | | mg/L | 09/27/2001 | 125 | 214 | <1 | meh | SW 8015M |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 10/02/2001 | | 86 | <1 | meh | SW 8015M |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 09/28/2001 | 604 | 725 | <0.2 | 260 | EPA 418.1 |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|-------|----------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708605 | SBI002:HMW5S:G092001:523 | | | | | | | | | |
| | | | | | 09/27/2001 | 604 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | 3608 | Complete | dmg | | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | 3608 | <20.0 | dmg | | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/26/2001 | 3608 | <12.5 | dmg | | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Carbon tetrachloride | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Chlorobenzene | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Chloroethane | <5.0 | | | ug/L | 09/26/2001 | 3608 | <5.0 | dmg | | SW 8260B |
| 2-Chlorotoluene | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| 4-Chlorotoluene | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Chloroform | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Chloromethane | <5.0 | | | ug/L | 09/26/2001 | 3608 | <5.0 | dmg | | SW 8260B |
| Dibromochloromethane | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Dibromomethane | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| Dichlorodifluoromethane | <1.0 | | | ug/L | 09/26/2001 | 3608 | <1.0 | dmg | | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | | | ug/L | 09/26/2001 | 3608 | <5.0 | dmg | | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708605 | SBI002:HMW5S:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 08:05 |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | 1.6 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708606 | SBI002:SB1:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:30 |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <5.0 | bmh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <5.0 | bmh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/27/2001 | 3609 | 3609 | <12.5 | bmh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <5.0 | bmh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <5.0 | bmh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <5.0 | bmh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/27/2001 | 3609 | 3609 | <12.5 | bmh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/27/2001 | 3609 | 3609 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17437

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708606 | SBI002:SB1:G092001:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:30 |
| | Naphthalene | <5.0 | | ug/L | 09/27/2001 | | 3609 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/27/2001 | | 3609 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | 7.3 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/27/2001 | | 3609 | <5.0 | bmh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/27/2001 | | 3609 | <5.0 | bmh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/27/2001 | | 3609 | <1.0 | bmh | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 109 | | % | 09/27/2001 | | 3609 | | bmh | SW 8260B |
| | Dibromofluoromethane (surr) | 105 | | % | 09/27/2001 | | 3609 | | bmh | SW 8260B |
| | d8-Toluene (surr) | 97 | | % | 09/27/2001 | | 3609 | | bmh | SW 8260B |
| | Bromofluorobenzene (surr) | 100 | | % | 09/27/2001 | | 3609 | | bmh | SW 8260B |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/28/2001 | 604 | 725 | <0.2 | 260 | EPA 418.1 |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.17437

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

TestAmerica, Incorporated

PAGE 56 of 56

NOTES AND COMMENTS

TestAmerica Job Number: 01.17437

Sample Number: 708598

Analysis: 8270 BNA

Due to elevated levels of non-target compounds, the d12-perylene internal standard was below the recommended response level. No effected target compounds were detected.

1.174397

PAGE ____ OF ____

CHAIN OF CUSTODY RECORD

NO. **5373**

Hull & Associates, Inc.

Dublin
 6120 Nicox Road
 Dublin, Ohio 43016
 Phone: (614)385-8777
 FAX: (614)385-9070

Iolanda
 3401 Glendale Avenue
 SUITE 300
 Toledo, Ohio 43614
 Phone: (419)385-2018
 FAX: (419)385-5489

Mason
 4700 Duke Drive, Suite 172
 Mason, Ohio 45040
 Phone: (513)459-9677
 FAX: (513)459-9869

Warrensville Heights
 4949 Galaxy Parkway, Suite S
 Warrensville Heights, Ohio 44128
 Phone: (216)514-7100
 FAX: (216)514-7104

REPORT TO: Youn Wilson

Client: South Bond
 Site: Area A
 Project#: SRI007 Phase: 01.151
 Samplers: S. Heath

SAMPLE TYPES
 A AIR
 B ASBESTOS
 C SEDIMENT
 D GROUNDWATER
 E PRODUCT
 F SOIL
 G WATER
 H OTHERS
 I Z OTHERS
 All samples are kept at 4°C.

PRESERVATIVES
 A - Cool only, <4°C
 B - HNO₃ pH<2
 C - H₂O₂ pH<2
 D - NaOH pH>12
 E - Zn acetate + NaOH, pH>9
 F - Na₂S₂O₅ (0.008%)
 G - HCl pH <2

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

PRESERVATIVES
G C G B A

ANALYSES
DRO
PCBS
SVOC
Metals G RO
418.1 THH
VOCS

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | SAMPLING DATE/TIME | ANALYSES | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------------------|----------|-------------------------------|
| SBI007 | Hmw6D: G092001 | | 503 | 3 | 9-20-01 7:55 | X X X | |
| SBI007 | Hmw6S: G092001 | | 503 | 3 | 9-20-01 8:05 | X X X | |
| SRI007 | Hmw6S: G092001 | | 503 | 7 | 9-20-01 8:15 | X X X | |
| SBI007 | Hmw6S: G092001 | | 503 | 5 | 9-20-01 8:30 | X X X | |
| SBI007 | mw14 G092001 | | 503 | 3 | 9-20-01 8:45 | X X X | |
| SBI007 | Hmw6M: G092001 | | 503 | 3 | 9-20-01 9:50 | X X X | |
| SBI007 | Hmw6OS: G092001 | | 503 | 6 | 9-20-01 9:30 | X X X | |
| SBI007 | FBI: G092001 | | 503 | 10 | 9-20-01 9:00 | X X X | |
| SBI007 | FB2: G092001 | | 503 | 10 | 9-20-01 14:00 | X X X | |
| SBI007 | SBI: G092001 | | 503 | 3 | 9-20-01 7:30 | X X X | |
| SBI007 | SBI: G092001 | | 503 | 3 | 9-20-01 7:30 | X X X | |
| SBI007 | Hmw6S: G092001 | | 503 | 7 | 9-20-01 7:40 | X X X | extra sample for Matrix spike |

RELINQUISHED BY: Sam Heath DATE: 9-20-01 TIME: 11-17-

RECEIVED BY: Math Young DATE: 9-20-01 TIME: 13-00-

RELINQUISHED BY: Math Young DATE: 9-20-01 TIME: 13-00-

RECEIVED BY: FedEx DATE: 9-21-01 TIME: 9:30-AM

RELINQUISHED BY: Math Young DATE: 9-21-01 TIME: 9:30-AM

RECEIVED BY: P. Whitaker DATE: 9-21-01 TIME: 9:30-AM

COOLER TEMPERATURE AS RECEIVED °C: 4°C

DISTRIBUTION: White (MUST BE RETURNED WITH REPORT)
Yellow (MUST BE RETURNED WITH REPORT)
Pink (MUST BE RETURNED WITH REPORT)

TURN AROUND TIME: std DAYS

Deliver To: Rec. Test America

Method of Delivery: FedEx

Airbill Number: _____

NOTES: _____

SBI002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/05/2001

Job Number: 01.17928

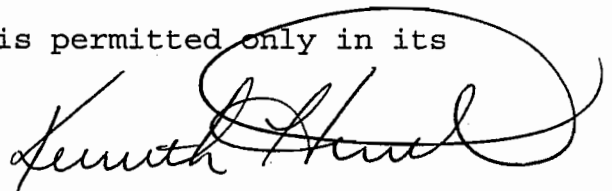
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 710159 | SBI002:HMW10S:G092601:505 | 09/26/2001 | 09/27/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

TestAmerica, Incorporated

PAGE 2 of 5

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/05/2001

Job Number: 01.17928

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-----------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 710159 | SBI002:HMW10S:G092601:505 | | | | | | | | | |
| | Prep, Base Neutral | Complete | | | 10/01/2001 | 1281 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 10/01/2001 | 1281 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Anthracene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Chrysene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

PAGE 3 of 5

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/05/2001

Job Number: 01.17928

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 710159 | SBI002:HMW10S:G092601:505 | | | | | | | | | DATE/TIME TAKEN 09/26/2001 13:30 |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 10/03/2001 | 1281 | 2719 | <50 | jrw | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Fluorene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 10/03/2001 | 1281 | 2719 | <20 | jrw | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Isophorone | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Naphthalene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Pyrene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 10/03/2001 | 1281 | 2719 | <10 | jrw | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 84 | | % | 10/03/2001 | 1281 | 2719 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 87 | | % | 10/03/2001 | 1281 | 2719 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 44 | | % | 10/03/2001 | 1281 | 2719 | | jrw | SW 8270C |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 10/03/2001 | 1281 | 2719 | <50 | jrw | SW 8270C |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.17928

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

)

)

)

APPENDIX E

Laboratory Reports and Chain of Custody Forms for Groundwater Samples

)

)

)

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin; OH 43016

10/12/2001

Job Number: 01.16930

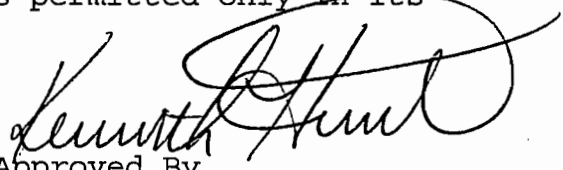
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 706767 | SBI002:HMW29D:G091401:505 | 09/14/2001 | 09/14/2001 |
| 706768 | SBI002:HMW29I:G091401:505 | 09/14/2001 | 09/14/2001 |
| 706769 | SBI002:HMW28S:G091401:505 | 09/14/2001 | 09/14/2001 |
| 706770 | SBI002:HMW32D:G091401:505 | 09/14/2001 | 09/14/2001 |
| 706771 | SBI002:TB1:091401 | 09/14/2001 | 09/14/2001 |
| 706772 | SBI002:HMW30D:G091401:505 | 09/14/2001 | 09/14/2001 |
| 706773 | SBI002:HMW30I:G091401:505 | 09/14/2001 | 09/14/2001 |
| 706774 | SBI002:HMW32I:G091401:505 | 09/14/2001 | 09/14/2001 |
| 706775 | SBI002:HMW28D:G091401:505 | 09/14/2001 | 09/14/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure



Approved By

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 706767 | SBI002:HMW29D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:15 |
| ICPMS TOTAL METALS | Complete | | | | 09/26/2001 | | 2562 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | | | 09/26/2001 | 1844 | 3686 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0483 | mg/L | | | 09/26/2001 | 1844 | 3894 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | | 09/26/2001 | 1844 | 3565 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | | | 09/26/2001 | 1844 | 3965 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0022 | mg/L | | | 09/26/2001 | 1844 | 3643 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 09/25/2001 | 1413 | 1359 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/22/2001 | 746 | 575 | <0.0050 | jad | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 09/26/2001 | 1844 | 3901 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/25/2001 | 1844 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/18/2001 | 746 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1413 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | | 09/25/2001 | 601 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/21/2001 | | 3589 | Complete | eap | |
| Acetone | <20.0 | ug/L | | | 09/21/2001 | | 3589 | <20.0 | eap | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

PAGE 3 of 54

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 706767 | SBI002:HMW29D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:15 |
| | Bromobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/21/2001 | | 3589 | <12.5 | eap | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | 3.7 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706767 | SBI002:HMW29D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:15 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/21/2001 | | 3589 | <12.5 | eap | SW 8260B |
| | Isopropylbenzene (Cumene) | 2.8 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/21/2001 | | 3589 | <12.5 | eap | SW 8260B |
| | n-Propylbenzene | 3.4 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Trichloroethene | 10.5 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|--------|-----------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | | |
| 706767 | SBI002:HMW29D:G091401:505 | | | | | | | | | | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW | 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW | 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW | 8260B |
| | Xylenes | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW | 8260B |
| | d4-1,2-Dichloroethane (surr) | 94 | | % | 09/21/2001 | | 3589 | | eap | SW | 8260B |
| | Dibromofluoromethane (surr) | 98 | | % | 09/21/2001 | | 3589 | | eap | SW | 8260B |
| | d8-Toluene (surr) | 98 | | % | 09/21/2001 | | 3589 | | eap | SW | 8260B |
| | Bromofluorobenzene (surr) | 102 | | % | 09/21/2001 | | 3589 | | eap | SW | 8260B |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | Anthracene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW | 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 706767 | SBI002:HMW29D:G091401:505 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/14/2001 08:15 |
| Chrysene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/20/2001 | 1272 | 2701 | <50 | jrw | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/20/2001 | 1272 | 2701 | <20 | jrw | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| | | | | | | Limit | | | | |
| 706767 | SBI002:HMW29D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:15 |
| Surrogate: d5-Nitrobenzene | | 88 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 87 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 43 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/20/2001 | 1272 | 2701 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Phenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 70 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 69 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 61 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| TPH - Method 418.1 (AQ) | | 7.5 | | mg/L | 09/26/2001 | 601 | 721 | <0.2 | sub | EPA 418.1 |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 706768 | SBI002:HMW29I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:30 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | | Complete | | | 09/26/2001 | | 2562 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | 0.0115 | | mg/L | 09/26/2001 | 1844 | 3686 | <0.0050 | ekh | SW 6020 |
| | Barium, ICPMS | 0.0585 | | mg/L | 09/26/2001 | 1844 | 3894 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 09/26/2001 | 1844 | 3565 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 09/26/2001 | 1844 | 3965 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0208 | | mg/L | 09/26/2001 | 1844 | 3643 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1413 | 1359 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/22/2001 | 746 | 575 | <0.0050 | jad | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/26/2001 | 1844 | 3901 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/25/2001 | 1844 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/18/2001 | 746 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1413 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/25/2001 | 601 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/21/2001 | | 3589 | Complete | eap | |
| | Acetone | <20.0 | | ug/L | 09/21/2001 | | 3589 | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | 1.8 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 706768 | SBI002:HMW29I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:30 |
| | Bromobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/21/2001 | | 3589 | <12.5 | eap | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | 2.3 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 706768 | SBI002:HMW29I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:30 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/21/2001 | | 3589 | <12.5 | eap | SW 8260B |
| | Isopropylbenzene (Cumene) | 1.8 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/21/2001 | | 3589 | <12.5 | eap | SW 8260B |
| | n-Propylbenzene | 2.1 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Trichloroethene | 13.9 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 706768 | SBI002:HMW29I:G091401:505 | | | | | | | | | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 95 | | % | 09/21/2001 | | 3589 | | eap | SW 8260B |
| | Dibromofluoromethane (surr) | 97 | | % | 09/21/2001 | | 3589 | | eap | SW 8260B |
| | d8-Toluene (surr) | 97 | | % | 09/21/2001 | | 3589 | | eap | SW 8260B |
| | Bromofluorobenzene (surr) | 100 | | % | 09/21/2001 | | 3589 | | eap | SW 8260B |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Anthracene | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethyl) ether | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 706768 | SBI002:HMW29I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:30 |
| Chrysene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Dibenzo (a, h) anthracene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/21/2001 | 1272 | 2699 | <50 | jrw | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Fluorene | | 18 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/21/2001 | 1272 | 2699 | <20 | jrw | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Indeno (1,2,3-cd) pyrene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 706768 | SBI002:HMW29I:G091401:505 | | | | | | | | | |
| | Surrogate: d5-Nitrobenzene | 96 | | † | 09/21/2001 | 1272 | 2699 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 81 | | † | 09/21/2001 | 1272 | 2699 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 53 | | † | 09/21/2001 | 1272 | 2699 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/21/2001 | 1272 | 2699 | <50 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Phenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/21/2001 | 1272 | 2699 | <10 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 65 | | † | 09/21/2001 | 1272 | 2699 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 63 | | † | 09/21/2001 | 1272 | 2699 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 68 | note | † | 09/21/2001 | 1272 | 2699 | | jrw | SW 8270C |
| | TPH - Method 418.1 (AQ) | 3.6 | | mg/L | 09/26/2001 | 601 | 721 | <0.2 | sub | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 706769 | SBI002:HMW28S:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:50 |
| ICPMS TOTAL METALS | Complete | | | | 09/26/2001 | | 2562 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | | | 09/26/2001 | 1844 | 3686 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0725 | mg/L | | | 09/26/2001 | 1844 | 3894 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | | 09/26/2001 | 1844 | 3565 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | | | 09/26/2001 | 1844 | 3965 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | <0.0010 | mg/L | | | 09/26/2001 | 1844 | 3643 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 09/25/2001 | 1413 | 1359 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/22/2001 | 746 | 575 | <0.0050 | jad | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 09/26/2001 | 1844 | 3901 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/25/2001 | 1844 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/18/2001 | 746 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1413 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | | 09/25/2001 | 601 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/21/2001 | | 3585 | Complete | eap | |
| Acetone | <20.0 | ug/L | | | 09/21/2001 | | 3585 | <20.0 | eap | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 706769 | SBI002:HMW28S:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:50 |
| | Bromobenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/21/2001 | | 3585 | <12.5 | eap | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | 2.6 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 706769 | SBI002:HMW28S:G091401:505 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN 09/14/2001 08:50 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/21/2001 | 3585 | <5.0 | eap | SW | 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/21/2001 | 3585 | <5.0 | eap | SW | 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/21/2001 | 3585 | <12.5 | eap | SW | 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/21/2001 | 3585 | <5.0 | eap | SW | 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/21/2001 | 3585 | <5.0 | eap | SW | 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/21/2001 | 3585 | <5.0 | eap | SW | 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/21/2001 | 3585 | <12.5 | eap | SW | 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Styrene | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/21/2001 | 3585 | <5.0 | eap | SW | 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Tetrachloroethene | 1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Toluene | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/21/2001 | 3585 | <5.0 | eap | SW | 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Trichloroethene | 15.1 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/21/2001 | 3585 | <5.0 | eap | SW | 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/21/2001 | 3585 | <1.0 | eap | SW | 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 706769 | SBI002:HMW28S:G091401:505 | | | | | | | | | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 93 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| | Dibromofluoromethane (surr) | 98 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| | d8-Toluene (surr) | 100 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| | Bromofluorobenzene (surr) | 105 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | Anthracene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|---------|--------|-----------|
| | | | | | Analyzed | Batch | Batch | | Limit | | |
| 706769 | SBI002:HMW28S:G091401:505 | | | | | | | | | | |
| | Chrysene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/20/2001 | 1272 | 2701 | <50 | jrw | SW | 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Fluoranthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Fluorene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/20/2001 | 1272 | 2701 | <20 | jrw | SW | 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Isophorone | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Naphthalene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Phenanthrene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | Pyrene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW | 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|--------------------------|-----------------------------|--------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 706769 | SBI002:HMW28S:G091401:505 | | | | | | | | | | 09/14/2001 08:50 |
| | Surrogate: d5-Nitrobenzene | 89 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrjw | SW 8270C | |
| | Surrogate: 2-Fluorobiphenyl | 77 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrjw | SW 8270C | |
| | Surrogate: d14-Terphenyl | 50 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrjw | SW 8270C | |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/20/2001 | 1272 | 2701 | <50 | jrjw | SW 8270C | |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | 2-Chlorophenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | 2-Methylphenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | meta & para-Methylphenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | 2-Nitrophenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | Pentachlorophenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | Phenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C | |
| | Surrogate: d6-Phenol | 74 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrjw | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 72 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrjw | SW 8270C | |
| | Surrogate: Tribromophenol | 42 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrjw | SW 8270C | |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/26/2001 | 601 | 721 | <0.2 | sub | EPA 418.1 | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 706770 | SBI002:HMW32D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 10:00 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 09/26/2001 | | 2562 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | <0.0050 | | mg/L | 09/26/2001 | 1844 | 3686 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.0982 | | mg/L | 09/26/2001 | 1844 | 3894 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS | <0.0010 | | mg/L | 09/26/2001 | 1844 | 3565 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 09/26/2001 | 1844 | 3965 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0101 | | mg/L | 09/26/2001 | 1844 | 3643 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1413 | 1359 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/22/2001 | 746 | 575 | <0.0050 | jad | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/26/2001 | 1844 | 3901 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/25/2001 | 1844 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/18/2001 | 746 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1413 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/25/2001 | 601 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/21/2001 | | 3589 | Complete | eap | |
| | Acetone | 21.4 | | ug/L | 09/21/2001 | | 3589 | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | 10.8 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 706770 | SBI002:HMW32D:G091401:505 | | | | | | | | | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 93 | | % | 09/21/2001 | | 3589 | | eap | SW 8260B |
| | Dibromofluoromethane (surr) | 97 | | % | 09/21/2001 | | 3589 | | eap | SW 8260B |
| | d8-Toluene (surr) | 100 | | % | 09/21/2001 | | 3589 | | eap | SW 8260B |
| | Bromofluorobenzene (surr) | 102 | | % | 09/21/2001 | | 3589 | | eap | SW 8260B |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | Anthracene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 706770 | SBI002:HMW32D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 10:00 |
| Surrogate: d5-Nitrobenzene | | 94 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 91 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 52 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/20/2001 | 1272 | 2701 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Phenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 70 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 64 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 76 | | ‡ | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| TPH - Method 418.1 (AQ) | | 0.8 | | mg/L | 09/26/2001 | 601 | 721 | <0.2 | sub | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|--------------------------------|--------------------|----------|------|-------|------------|-------|-------|-----------|---------|--------|-----------|
| | | | | | Analyzed | Batch | Batch | | Limit | | |
| 706771 | SBI002:TB1:091401 | | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/21/2001 | | 3585 | Complete | eap | | |
| Acetone | | <20.0 | | ug/L | 09/21/2001 | | 3585 | <20.0 | eap | SW | 8260B |
| Benzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Bromoform | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/21/2001 | | 3585 | <12.5 | eap | SW | 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW | 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Chloroform | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW | 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW | 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW | 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 706771 | SBI002:TB1:091401 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/21/2001 | | 3585 | <12.5 | eap | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/21/2001 | | 3585 | <12.5 | eap | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706771 | SBI002:TB1:091401 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 93 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 98 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| d8-Toluene (surr) | | 100 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 104 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 706772 | SBI002:HMW30D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 10:45 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 09/26/2001 | | 2562 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | <0.0050 | | mg/L | 09/26/2001 | 1844 | 3686 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.0473 | | mg/L | 09/26/2001 | 1844 | 3894 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0010 | | mg/L | 09/26/2001 | 1844 | 3565 | <0.0010 | ekh | SW 6020 |
| | Lead, ICPMS | <0.0050 | | mg/L | 09/26/2001 | 1844 | 3965 | <0.0050 | ekh | SW 6020 |
| | Mercury, CVAA | 0.0025 | | mg/L | 09/26/2001 | 1844 | 3643 | <0.0010 | ekh | SW 6020 |
| | Selenium, GFAA | <0.0002 | | mg/L | 09/25/2001 | 1413 | 1359 | <0.0002 | epk | SW 7470A |
| | Silver, ICPMS | <0.0050 | | mg/L | 09/22/2001 | 746 | 575 | <0.0050 | jad | SW 7740 |
| | Metals Digestion, ICPMS | <0.0005 | | mg/L | 09/26/2001 | 1844 | 3901 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, GFAA | Complete | | | 09/25/2001 | 1844 | | Complete | clm | SW 3010A |
| | Manual Mercury Digestion | Complete | | | 09/18/2001 | 746 | | Complete | mrt | SW 3020A |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1413 | | Complete | epk | SW 7470A |
| | Prep, Acid Extractable | Complete | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/25/2001 | 601 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/21/2001 | | 3585 | Complete | eap | |
| | Acetone | <20.0 | | ug/L | 09/21/2001 | | 3585 | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | 1.4 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 706772 | SBI002:HMW30D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 10:45 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | n-Hexane | 12.5 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/21/2001 | | 3585 | <12.5 | eap | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | p-Isopropyltoluene | 1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/21/2001 | | 3585 | <12.5 | eap | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 1,1,1-Trichloroethane | 1.1 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Trichloroethene | 10.8 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706772 | SBI002:HMW30D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 10:45 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 94 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 97 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| d8-Toluene (surr) | | 100 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 105 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| bis(2-Chloroethyl) ether | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

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 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|--------------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 706773 | SBI002:HMW30I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 11:00 |
| | ICPMS TOTAL METALS | Complete | | | 09/26/2001 | | 2562 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 09/26/2001 | 1844 | 3686 | <0.0050 | ekh | SW 6020 |
| | Barium, ICPMS | 0.0599 | | mg/L | 09/26/2001 | 1844 | 3894 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 09/26/2001 | 1844 | 3565 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 09/26/2001 | 1844 | 3965 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0090 | | mg/L | 09/26/2001 | 1844 | 3643 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1413 | 1359 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/22/2001 | 746 | 575 | <0.0050 | jad | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/26/2001 | 1844 | 3901 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/25/2001 | 1844 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/18/2001 | 746 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1413 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/17/2001 | 1272 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/25/2001 | 601 | | Complete | sub | EPA 418.1 |
| | VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/21/2001 | | 3585 | Complete | eap | |
| | Acetone | <20.0 | | ug/L | 09/21/2001 | | 3585 | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | 3.4 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706773 | SBI002:HMW30I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 11:00 |
| Bromobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/21/2001 | | 3585 | <12.5 | eap | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,1-Dichloroethane | | 1.3 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| cis-1,2-Dichloroethene | | 1.4 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706773 | SBI002:HMW30I:G091401:505 | | | | | | | | | |
| | is-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <5.0 | eap | SW 8260B |
| | n-Hexane | 44.8 | | ug/L | 09/21/2001 | 3585 | 3585 | <5.0 | eap | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/21/2001 | 3585 | 3585 | <12.5 | eap | SW 8260B |
| | Isopropylbenzene (Cumene) | 1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | p-Isopropyltoluene | 3.2 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <5.0 | eap | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <5.0 | eap | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <5.0 | eap | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/21/2001 | 3585 | 3585 | <12.5 | eap | SW 8260B |
| | n-Propylbenzene | 3.8 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <5.0 | eap | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <5.0 | eap | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Trichloroethene | 1.2 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/21/2001 | 3585 | 3585 | <5.0 | eap | SW 8260B |
| | 1,2,4-Trimethylbenzene | 2.6 | | ug/L | 09/21/2001 | 3585 | 3585 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 706773 | SBI002:HMW30I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 11:00 |
| 1,3,5-Trimethylbenzene | | 2.6 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Xylenes | | 1.5 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 96 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 96 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| d8-Toluene (surr) | | 100 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 101 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| Benzo (a) anthracene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| Benzo (b) fluoranthene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| Benzo (k) fluoranthene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| Benzo (a) pyrene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| bis (2-Chloroethyl) ether | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| bis (2-Chloroethoxy) methane | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| bis (2-Ethylhexyl) phthalate | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| 2,2'-oxybis (1-Chloropropane) | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrjw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 706773 | SBI002:HMW30I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 11:00 |
| Surrogate: d5-Nitrobenzene | | 93 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 88 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 66 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/20/2001 | 1272 | 2701 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Phenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/20/2001 | 1272 | 2701 | <10 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 79 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 80 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 89 | | % | 09/20/2001 | 1272 | 2701 | | jrw | SW 8270C |
| TPH - Method 418.1 (AQ) | | 0.4 | | mg/L | 09/26/2001 | 601 | 721 | <0.2 | sub | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706774 | SBI002:HMW32I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:00 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 09/26/2001 | | 2562 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | 0.0094 | | mg/L | 09/26/2001 | 1844 | 3686 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.108 | | mg/L | 09/26/2001 | 1844 | 3894 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0010 | | mg/L | 09/26/2001 | 1844 | 3565 | <0.0010 | ekh | SW 6020 |
| | Lead, ICPMS | <0.0050 | | mg/L | 09/26/2001 | 1844 | 3965 | <0.0050 | ekh | SW 6020 |
| | Mercury, CVAA | 0.0292 | | mg/L | 09/26/2001 | 1844 | 3643 | <0.0010 | ekh | SW 6020 |
| | Selenium, GFAA | <0.0002 | | mg/L | 09/25/2001 | 1413 | 1359 | <0.0002 | epk | SW 7470A |
| | Silver, ICPMS | <0.0050 | | mg/L | 09/22/2001 | 746 | 575 | <0.0050 | jad | SW 7740 |
| | Metals Digestion, ICPMS | <0.0005 | | mg/L | 09/26/2001 | 1844 | 3901 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, GFAA | Complete | | | 09/25/2001 | 1844 | | Complete | clm | SW 3010A |
| | Manual Mercury Digestion | Complete | | | 09/18/2001 | 746 | | Complete | mrt | SW 3020A |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1413 | | Complete | epk | SW 7470A |
| | Prep, Acid Extractable | Complete | | | 09/17/2001 | 1273 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/17/2001 | 1273 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/25/2001 | 601 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/21/2001 | | 3589 | Complete | eap | |
| | Acetone | <20.0 | | ug/L | 09/21/2001 | | 3589 | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | 9.3 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706774 | SBI002:HMW32I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:00 |
| Bromobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/21/2001 | | 3589 | <12.5 | eap | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| cis-1,2-Dichloroethene | | 7.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| trans-1,2-Dichloroethene | | 9.1 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706774 | SBI002:HMW32I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:00 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/21/2001 | | 3589 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/21/2001 | | 3589 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 94 | | ‡ | 09/21/2001 | | 3589 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 96 | | ‡ | 09/21/2001 | | 3589 | | eap | SW 8260B |
| d8-Toluene (surr) | | 100 | | ‡ | 09/21/2001 | | 3589 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 105 | | ‡ | 09/21/2001 | | 3589 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 706774 | SBI002:HMW32I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:00 |
| | Chrysene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/20/2001 | 1273 | 2701 | <50 | jrw | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/20/2001 | 1273 | 2701 | <20 | jrw | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706774 | SBI002:HMW32I:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:00 |
| Surrogate: d5-Nitrobenzene | | 89 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 88 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 69 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/20/2001 | 1273 | 2701 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| Phenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 80 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 78 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 93 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| TPH - Method 418.1 (AQ) | | 0.7 | | mg/L | 09/26/2001 | 601 | 721 | <0.2 | sub | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 706775 | SBI002:HMW28D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:15 |
| ICPMS TOTAL METALS | Complete | | | | 09/26/2001 | | 2562 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 09/26/2001 | 1844 | 3686 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0375 | | | mg/L | 09/26/2001 | 1844 | 3894 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 09/26/2001 | 1844 | 3565 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 09/26/2001 | 1844 | 3965 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0083 | | | mg/L | 09/26/2001 | 1844 | 3643 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1413 | 1359 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/22/2001 | 746 | 575 | <0.0050 | jad | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/26/2001 | 1844 | 3901 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/25/2001 | 1844 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/18/2001 | 746 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1413 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/17/2001 | 1273 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/17/2001 | 1273 | | Complete | lmc | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | | 09/25/2001 | 601 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/21/2001 | | 3585 | Complete | eap | |
| Acetone | <20.0 | | | ug/L | 09/21/2001 | | 3585 | <20.0 | eap | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 706775 | SBI002:HMW28D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:15 |
| Bromobenzene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/21/2001 | 3585 | | <12.5 | eap | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/21/2001 | 3585 | | <5.0 | eap | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/21/2001 | 3585 | | <5.0 | eap | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/21/2001 | 3585 | | <5.0 | eap | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| cis-1,2-Dichloroethene | | 2.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/21/2001 | 3585 | | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 706775 | SBI002:HMW28D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:15 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/21/2001 | | 3585 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/21/2001 | | 3585 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 93 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 98 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| d8-Toluene (surr) | | 99 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 105 | | % | 09/21/2001 | | 3585 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethyl) ether | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrjw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 706775 | SBI002:HMW28D:G091401:505 | | | | | | | | | DATE/TIME TAKEN 09/14/2001 12:15 |
| | Chrysene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/20/2001 | 1273 | 2701 | <50 | jrj | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/20/2001 | 1273 | 2701 | <20 | jrj | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrj | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.16930

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 706775 | SBI002:HMW28D:G091401:505 | | | | | | | | | |
| | Surrogate: d5-Nitrobenzene | 94 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 90 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 70 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/20/2001 | 1273 | 2701 | <50 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Phenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/20/2001 | 1273 | 2701 | <10 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 73 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 80 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 92 | | % | 09/20/2001 | 1273 | 2701 | | jrw | SW 8270C |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/26/2001 | 601 | 721 | <0.2 | sub | EPA 418.1 |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.16930

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

SBI 1002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|----------------------------|-------------------|----------------------|
| 707866 | SBI002:HMW31D:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707867 | SBI002:HMW31S:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707868 | SBI002:HMW31I:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707869 | SBI002:HMW31I:G091701D:523 | 09/17/2001 | 09/19/2001 |
| 707870 | SBI002:HMW22D:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707871 | SBI002:HMW22I:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707872 | SBI002:MW8D:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707873 | SBI002:MW8S:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707874 | SBI002:MW1D:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707875 | SBI002:MW1S:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707876 | SBI002:HMW8D:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707877 | SBI002:HMW8I:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707878 | SBI002:HMW8S:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707879 | SBI002:HMW8D:G091701D:523 | 09/17/2001 | 09/19/2001 |
| 707880 | SBI002:HMW7S:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707881 | SBI002:HMW35S:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707882 | SBI002:HMW17D:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707883 | SBI002:MW25D:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707884 | SBI002:MW25S:G091701:523 | 09/17/2001 | 09/19/2001 |
| 707885 | SBI002:FB1:W091701:523 | 09/17/2001 | 09/19/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

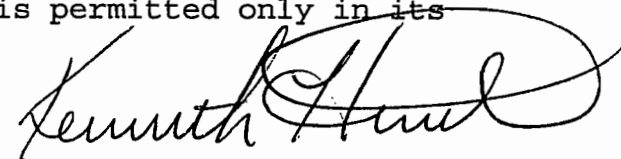
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 707886 | SBI002:FB2:W091701:523 | 09/17/2001 | 09/19/2001 |
| 708064 | SBI002:TB1:091701 | 09/17/2001 | 09/19/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure



Approved By

TestAmerica, Incorporated

PAGE 3 of 96

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707866 | SBI002:HMW31D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 11:25 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.0852 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0052 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/20/2001 | 1276 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/20/2001 | 1276 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/26/2001 | 603 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/25/2001 | | 3601 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707866 | SBI002:HMW31D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 11:25 |
| | Bromobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | 1.3 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | 1.6 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707866 | SBI002:HMW31D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 11:25 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | n-Hexane | 78.2 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | 3.6 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | 1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 707866 | SBI002:HMW31D:G091701:523 | | | | | | | | DATE/TIME TAKEN 09/17/2001 11:25 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 97 | | % | 09/25/2001 | | 3601 | | dmg SW 8260B |
| Dibromofluoromethane (surr) | | 94 | | % | 09/25/2001 | | 3601 | | dmg SW 8260B |
| d8-Toluene (surr) | | 97 | | % | 09/25/2001 | | 3601 | | dmg SW 8260B |
| Bromofluorobenzene (surr) | | 98 | | % | 09/25/2001 | | 3601 | | dmg SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| Anthracene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw SW 8270C |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707866 | SBI002:HMW31D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 11:25 |
| | Chrysene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/24/2001 | 1276 | 2708 | <50 | jrw | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/24/2001 | 1276 | 2708 | <20 | jrw | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|-----------------------------|---------------------------|--------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 707866 | SBI002:HMW31D:G091701:523 | | | | | | | | | | 09/17/2001 11:25 |
| Surrogate: d5-Nitrobenzene | | 103 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorobiphenyl | | 83 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| Surrogate: d14-Terphenyl | | 60 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/24/2001 | 1276 | 2708 | <50 | jrw | SW 8270C | |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| 2-Chlorophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| 2-Methylphenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| meta & para-Methylphenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| 2-Nitrophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| Pentachlorophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| Phenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| Surrogate: d6-Phenol | | 63 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| Surrogate: 2-Fluorophenol | | 59 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| Surrogate: Tribromophenol | | 61 | note | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| TPH - Method 418.1 (AQ) | | 13 | | mg/L | 09/27/2001 | 603 | 724 | <0.2 | 260 | EPA 418.1 | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-----------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707867 | SBI002:HMW31S:G091701:523 | | | | | | | | | |
| ICPMS TOTAL METALS | | Complete | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | | 0.121 | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | | 1.02 | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | | 0.0068 | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | | 0.0553 | | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | | 0.387 | | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | | 0.0005 | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | | <0.0050 | | mg/L | 09/27/2001 | 753 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | | <0.0005 | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | | Complete | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | | Complete | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | | Complete | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | | Complete | | | 09/24/2001 | 1278 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | | Complete | | | 09/24/2001 | 1278 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | | Complete | | | 09/26/2001 | 603 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/25/2001 | | 3601 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707867 | SBI002:HMW31S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 11:40 |
| Bromobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707867 | SBI002:HMW31S:G091701:523 | | | | | | | | | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 100 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 97 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 97 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 106 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Anthracene | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707867 | SBI002:HMW31S:G091701:523 | | | | | | | | | |
| | Surrogate: d5-Nitrobenzene | 99 | | † | 09/26/2001 | 1278 | 2704 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 88 | | † | 09/26/2001 | 1278 | 2704 | | jcs | SW 8270C |
| | Surrogate: d14-Terphenyl | 58 | | † | 09/26/2001 | 1278 | 2704 | | jcs | SW 8270C |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/26/2001 | 1278 | 2704 | <50 | jcs | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Phenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/26/2001 | 1278 | 2704 | <10 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 69 | | † | 09/26/2001 | 1278 | 2704 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 72 | | † | 09/26/2001 | 1278 | 2704 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 54 | | † | 09/26/2001 | 1278 | 2704 | | jcs | SW 8270C |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/27/2001 | 603 | 724 | <0.2 | 260 | EPA 418.1 |

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10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707868 | SBI002:HMW31I:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 12:50 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0706 | | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0079 | | | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/27/2001 | 753 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/20/2001 | 1276 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/20/2001 | 1276 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | | 09/26/2001 | 603 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3601 | Complete | dmg | |
| Acetone | <20.0 | | | ug/L | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | 9.8 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | 10.3 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

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| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------|---------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707868 | SBI002:HMW31I:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 12:50 |
| | Bromobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | 3601 | | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |

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|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 707868 | SBI002:HMW31I:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 12:50 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | n-Hexane | 68.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | 3.2 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | 5.1 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | 4.1 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

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Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707868 | SBI002:HMW31I:G091701:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN 09/17/2001 12:50 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | 1.5 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 94 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 92 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 97 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 99 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| Benzo (a) anthracene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| Benzo (b) fluoranthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| Benzo (k) fluoranthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| Benzo (a) pyrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| bis (2-Chloroethyl) ether | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| bis (2-Chloroethoxy) methane | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| bis (2-Ethylhexyl) phthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| 2,2'-oxybis (1-Chloropropane) | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrjw | SW 8270C |

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10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

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|---------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707868 | SBI002:HMW31I:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 12:50 |
| Chrysene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/24/2001 | 1276 | 2708 | <50 | jrw | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/24/2001 | 1276 | 2708 | <20 | jrw | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |

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|--------------------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 707868 | SBI002:HMW31I:G091701:523 | | | | | | | | | |
| | Surrogate: d5-Nitrobenzene | 82 | | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 81 | | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 54 | | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/24/2001 | 1276 | 2708 | <50 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Phenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 70 | | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 72 | | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 82 | note | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | TPH - Method 418.1 (AQ) | 1.4 | | mg/L | 09/27/2001 | 603 | 724 | <2 | 260 | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707869 | SBI002:HMW31I:G091701D:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN 09/17/2001 12:50 |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707869 | SBI002:HMW31I:G091701D:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 12:50 |
| Vinyl Acetate | | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | 1.3 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 88 | | % | 09/25/2001 | 3601 | 3601 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 92 | | % | 09/25/2001 | 3601 | 3601 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 98 | | % | 09/25/2001 | 3601 | 3601 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 94 | | % | 09/25/2001 | 3601 | 3601 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Chrysene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 707869 | SBI002:HMW31I:G091701D:523 | | | | | | | | | | 09/17/2001 12:50 |
| | Surrogate: 2-Fluorobiphenyl | 76 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| | Surrogate: d14-Terphenyl | 45 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/24/2001 | 1276 | 2708 | <50 | jrw | SW 8270C | |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | 2-Chlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | 2-Methylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | meta & para-Methylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | 2-Nitrophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | Pentachlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | Phenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C | |
| | Surrogate: d6-Phenol | 36 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 40 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |
| | Surrogate: Tribromophenol | 49 | note | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707870 | SBI002:HMW22D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 14:30 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | | | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0763 | mg/L | | | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | | | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0030 | mg/L | | | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3601 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707870 | SBI002:HMW22D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 14:30 |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 94 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 96 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 97 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 98 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |

SAMPLE NO. 707871 **SAMPLE DESCRIPTION** SBI002:HMW22I:G091701:523 **DATE/TIME TAKEN** 09/17/2001 14:20

| | | | | | | | | | | |
|--------------------------|----------|--|------|--|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.0077 | | mg/L | | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0618 | | mg/L | | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | mg/L | | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | mg/L | | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0058 | | mg/L | | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | mg/L | | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | mg/L | | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | mg/L | | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707871 | SBI002:HMW22I:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 14:20 |
| _60 - SW846 (AQ) | | Complete | | | 09/25/2001 | | 3601 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707871 | SBI002:HMW22I:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 14:20 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707871 | SBI002:HMW22I:G091701:523 | | | | | | | | | |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Vinyl Chloride | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 95 | | % | 09/25/2001 | 3601 | 3601 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 96 | | % | 09/25/2001 | 3601 | 3601 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 96 | | % | 09/25/2001 | 3601 | 3601 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 101 | | % | 09/25/2001 | 3601 | 3601 | | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707872 | SBI002:MW8D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 15:15 |
| ICPMS TOTAL METALS | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | | | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0474 | mg/L | | | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | | | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | | | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0057 | mg/L | | | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3601 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707872 | SBI002:MW8D:G091701:523 | | | | | | | | | |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707872 | SBI002:MW8D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 15:15 |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-------------------------|--------|------|-------|----------|-------|-------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 707872 | SBI002:MW8D:G091701:523 | | | | | | | | | |
| | | | | | | | | Limit | | |
| | | | | | | | | | | |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|-------------------------|------------------|
| 707872 | SBI002:MW8D:G091701:523 | 09/17/2001 15:15 |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|-------------------------|------------------|
| 707873 | SBI002:MW8S:G091701:523 | 09/17/2001 15:30 |

| ICPMS TOTAL METALS | Complete | | 09/29/2001 | 2572 | Complete | ekh | SW 6020 |
|--------------------------|----------|------|------------|-----------|----------|-----|----------|
| Arsenic, ICPMS | <0.0050 | mg/L | 09/29/2001 | 1848 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0297 | mg/L | 09/29/2001 | 1848 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | 09/29/2001 | 1848 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | 09/29/2001 | 1848 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0085 | mg/L | 09/29/2001 | 1848 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | 09/25/2001 | 1415 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | 09/28/2001 | 753 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | 09/29/2001 | 1848 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | 09/26/2001 | 1848 | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | 09/26/2001 | 753 | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | 09/24/2001 | 1415 | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|-------------------------|--------|------|-------|------------|-------|-------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707873 | SBI002:MW8S:G091701:523 | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3601 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloroethane | <5.0 | ug/L | | | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloroform | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloromethane | <5.0 | ug/L | | | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Dibromomethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707873 | SBI002:MW8S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 15:30 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707873 | SBI002:MW8S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 15:30 |
| Tetrachloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 93 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 96 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 96 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 101 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|--------------------------------|----------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707874 | SBI002:MW1D:G091701:523 | | | | | | | | | |
| | ICPMS TOTAL METALS | Complete | | | 10/01/2001 | | 2577 | Complete | kmb | SW 6020 |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| | Barium, ICPMS | 0.0620 | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0011 | | mg/L | 10/01/2001 | 1848 | 3663 | <0.0010 | kmb | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| | VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/25/2001 | | 3601 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707874 | SBI002:MW1D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 15:40 |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 96 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 99 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 96 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 103 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |

SAMPLE NO. 707875 **SAMPLE DESCRIPTION** SBI002:MW1S:G091701:523 **DATE/TIME TAKEN** 09/17/2001 15:55

| | | | | | | | | | | |
|--------------------------|----------|--|------|--|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | mg/L | | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0538 | | mg/L | | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | mg/L | | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | mg/L | | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0146 | | mg/L | | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | mg/L | | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | mg/L | | 10/09/2001 | 753 | 582 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | mg/L | | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707875 | SBI002:MW1S:G091701:523 | | | | | | | | | |
| 50 - SW846 (AQ) | Complete | | | | 09/25/2001 | 3601 | 3601 | Complete | dmg | |
| Acetone | <20.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloroethane | <5.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloroform | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloromethane | <5.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Dibromomethane | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707875 | SBI002:MW1S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 15:55 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | 2.7 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707876 | SBI002:HMW8D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:30 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 10/01/2001 | | 2577 | Complete | knb | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0818 | | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 10/01/2001 | 1848 | 3983 | <0.0050 | knb | SW 6020 |
| Lead, ICPMS | 0.0048 | | | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3602 | Complete | mrh | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | | 3602 | <20.0 | mrh | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707876 | SBI002:HMW8D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:30 |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707876 | SBI002:HMW8D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:30 |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| 1,1,1-Trichloroethane | | 3.3 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707876 | SBI002:HMW8D:G091701:523 | | | | | | | | | |
| | | | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | | 106 | | % | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | | 104 | | % | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | | 97 | | % | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | | 107 | | % | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |

SAMPLE NO. 707877 **SAMPLE DESCRIPTION** SBI002:HMW8I:G091701:523 **DATE/TIME TAKEN** 09/17/2001 16:40

| | | | | | | | | | | |
|--------------------------|----------|--|------|--|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 10/02/2001 | 2582 | 2582 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.0105 | | mg/L | | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0982 | | mg/L | | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | mg/L | | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | mg/L | | 10/02/2001 | 1848 | 3988 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0102 | | mg/L | | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | mg/L | | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | mg/L | | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | mg/L | | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707877 | SBI002:HMW8I:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:40 |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | 3601 | 3601 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloroethane | <5.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloroform | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Chloromethane | <5.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Dibromomethane | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|--------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 707878 | SBI002:HMW8S:G091701:523 | | | | | | | | | | 09/17/2001 16:50 |
| MS TOTAL METALS | | | | | | | | | | | |
| | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 | |
| Arsenic, ICPMS | 0.0153 | | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 | |
| Barium, ICPMS | 0.102 | | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 | |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 | |
| Chromium, ICPMS (0.005) | 0.0101 | | | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 | |
| Lead, ICPMS | 0.0452 | | | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 | |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A | |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 | |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 | |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A | |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A | |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3601 | Complete | dmg | | |
| Acetone | <20.0 | | | ug/L | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B | |
| Benzene | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |
| n-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |
| Bromochloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |
| Bromodichloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |
| Bromoform | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |
| Bromobenzene | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B | |
| Carbon disulfide | <1.0 | | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707878 | SBI002:HMW8S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:50 |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707878 | SBI002:HMW8S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:50 |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | 40.7 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707878 | SBI002:HMW8S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:50 |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 103 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 100 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 96 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 111 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707879 | SBI002:HMW8D:G091701D:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:30 |
| ICPMS TOTAL METALS | | Complete | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | | <0.0050 | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | | 0.0821 | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | | <0.0010 | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | | <0.0050 | | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | | 0.0034 | | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | | <0.0002 | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | | <0.0050 | | mg/L | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | | <0.0005 | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | | Complete | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | | Complete | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | | Complete | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707879 | SBI002:HMW8D:G091701D:523 | | | | | | | | | |
| 50 - SW846 (AQ) | Complete | | | | 09/26/2001 | 3602 | 3602 | Complete | mrh | |
| Acetone | <20.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <20.0 | mrh | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/26/2001 | 3602 | 3602 | <12.5 | mrh | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Carbon tetrachloride | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Chlorobenzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Chloroethane | <5.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 2-Chlorotoluene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 4-Chlorotoluene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Chloroform | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Chloromethane | <5.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| Dibromochloromethane | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Dibromomethane | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707879 | SBI002:HMW8D:G091701D:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:30 |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | 3602 | 3602 | <12.5 | mrh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | 3602 | 3602 | <12.5 | mrh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707879 | SBI002:HMW8D:G091701D:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 16:30 |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 106 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| | Dibromofluoromethane (surr) | 104 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| | d8-Toluene (surr) | 97 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| | Bromofluorobenzene (surr) | 110 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707880 | SBI002:HMW7S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 17:45 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0390 | | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0051 | | | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3602 | Complete | mrh | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | | 3602 | <20.0 | mrh | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707880 | SBI002:HMW7S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 17:45 |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Tetrachloroethene | 4.1 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707880 | SBI002:HMW7S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 17:45 |
| | xylenes | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 107 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| | Dibromofluoromethane (surr) | 103 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| | d8-Toluene (surr) | 96 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| | Bromofluorobenzene (surr) | 109 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |

SAMPLE NO. 707881 **SAMPLE DESCRIPTION** SBI002:HMW35S:G091701:523 **DATE/TIME TAKEN** 09/17/2001 18:00

| | | | | | | | | | | |
|--------------------------|----------|--|------|--|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | mg/L | | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0471 | | mg/L | | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | mg/L | | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | mg/L | | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0028 | | mg/L | | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | mg/L | | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | mg/L | | 09/27/2001 | 753 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | mg/L | | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707881 | SBI002:HMW35S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:00 |
| 8260 - SW846 (AQ) | | Complete | | | 09/25/2001 | | 3601 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/25/2001 | | 3601 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/25/2001 | | 3601 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707881 | SBI002:HMW35S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:00 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | 1.5 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | 3601 | 3601 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |
| | 1,1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | 3601 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707882 | SBI002:HMW17D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:20 |
| PMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0663 | | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0030 | | | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3602 | Complete | mrh | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | | 3602 | <20.0 | mrh | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707882 | SBI002:HMW17D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:20 |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,2-Dichloroethene | 1.2 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707882 | SBI002:HMW17D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:20 |
| | Dichlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,1,1-Trichloroethane | 1.9 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707883 | SBI002:MW25D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:30 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3602 | 3602 | <12.5 | mrh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3602 | 3602 | <12.5 | mrh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707883 | SBI002:MW25D:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:30 |
| | Trichloroethene | 2.2 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | 1,1,1-Trichloroethane | 2.7 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 106 | | % | 09/26/2001 | 3602 | 3602 | | mrh | SW 8260B |
| | Dibromofluoromethane (surr) | 103 | | % | 09/26/2001 | 3602 | 3602 | | mrh | SW 8260B |
| | d8-Toluene (surr) | 96 | | % | 09/26/2001 | 3602 | 3602 | | mrh | SW 8260B |
| | Bromofluorobenzene (surr) | 108 | | % | 09/26/2001 | 3602 | 3602 | | mrh | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707884 | SBI002:MW25S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:40 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | ICPMS TOTAL METALS | Complete | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | 0.0056 | | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| | Barium, ICPMS | 0.189 | | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | 0.0899 | | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0209 | | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1415 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3602 | Complete | mrh | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3602 | <20.0 | mrh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707884 | SBI002:MW25S:G091701:523 | | | | | | | | | |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707884 | SBI002:MW25S:G091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:40 |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | 3602 | 3602 | <12.5 | mrh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | 3602 | 3602 | <12.5 | mrh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Tetrachloroethene | | 4.7 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 1,1,1-Trichloroethane | | 1.3 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <5.0 | mrh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | 3602 | 3602 | <1.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707884 | SBI002:MW25S:G091701:523 | | | | | | | | | |
| | | | | | | | | | | |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|--------------------------|------------------|
| 707884 | SBI002:MW25S:G091701:523 | 09/17/2001 18:40 |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|------------------------|------------------|
| 707885 | SBI002:FB1:W091701:523 | 09/17/2001 13:00 |

| ICPMS TOTAL METALS | Complete | | 09/29/2001 | 2572 | Complete | ekh | SW 6020 |
|--------------------------|----------|------|------------|------|----------|----------|---------------------------------|
| Arsenic, ICPMS | <0.0050 | mg/L | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh SW 6020 |
| Barium, ICPMS | <0.0050 | mg/L | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh SW 6020 |
| Lead, ICPMS | <0.0010 | mg/L | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | 09/25/2001 | 1415 | 1361 | <0.0002 | epk SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | 09/28/2001 | 753 | 579 | <0.0050 | lnh SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh SW 6020 |
| Metals Digestion, ICPMS | Complete | | 09/26/2001 | 1848 | | Complete | clm SW 3010A |
| Metals Digestion, GFAA | Complete | | 09/26/2001 | 753 | | Complete | clm SW 3020A |
| Manual Mercury Digestion | Complete | | 09/24/2001 | 1415 | | Complete | epk SW 7470A |
| Prep, Base Neutral | Complete | | 09/20/2001 | 1276 | | Complete | rec EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | 09/20/2001 | 1276 | | Complete | rec EPA 625 ; SW 3510C ; SW 352 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707885 | SBI002:FB1:W091701:523 | | | | 09/26/2001 | 603 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | 3602 | Complete | mrh | | |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | 3602 | <20.0 | mrh | | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | 3602 | <12.5 | mrh | | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | 3602 | <5.0 | mrh | | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | 3602 | <5.0 | mrh | | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3602 | <1.0 | mrh | | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | 3602 | <5.0 | mrh | | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707885 | SBI002:FB1:W091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 13:00 |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707885 | SBI002:FB1:W091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 13:00 |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Chrysene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/24/2001 | 1276 | 2708 | <50 | jrw | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707885 | SBI002:FB1:W091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 13:00 |
| Hexachlorobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/24/2001 | 1276 | 2708 | <20 | jrw | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 76 | | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 82 | | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 78 | | µ | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/24/2001 | 1276 | 2708 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707885 | SBI002:FB1:W091701:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/17/2001 13:00 |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Phenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 61 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 70 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 83 | note | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/27/2001 | 603 | 724 | <0.2 | 260 | EPA 418.1 |

SAMPLE NO. 707886 **SAMPLE DESCRIPTION** SBI002:FB2:W091701:523 **DATE/TIME TAKEN** 09/17/2001 18:45

| | | | | | | | | | | |
|-------------------------|----------|--|------|--|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 09/29/2001 | | 2572 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | mg/L | | 09/29/2001 | 1848 | 3699 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | <0.0050 | | mg/L | | 09/29/2001 | 1848 | 3907 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | mg/L | | 09/29/2001 | 1848 | 3578 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | mg/L | | 09/29/2001 | 1848 | 3978 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | <0.0010 | | mg/L | | 09/29/2001 | 1848 | 3656 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | mg/L | | 09/26/2001 | 1416 | 1362 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | mg/L | | 09/28/2001 | 753 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | mg/L | | 09/29/2001 | 1848 | 3913 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1848 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 753 | | Complete | clm | SW 3020A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707886 | SBI002:FB2:W091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:45 |
| | bromomethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707886 | SBI002:FB2:W091701:523 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 18:45 |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | | 3602 | <12.5 | mrh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3602 | <5.0 | mrh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3602 | <1.0 | mrh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 110 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| Dibromofluoromethane (surr) | | 105 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| d8-Toluene (surr) | | 96 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| Bromofluorobenzene (surr) | | 105 | | % | 09/26/2001 | | 3602 | | mrh | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrj | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707886 | SBI002:FB2:W091701:523 | | | | | | | | | |
| | Methylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Phenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/24/2001 | 1276 | 2708 | <10 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 71 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 74 | | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 86 | note | % | 09/24/2001 | 1276 | 2708 | | jrw | SW 8270C |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/27/2001 | 603 | 724 | <0.2 | 260 | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|--------------------|--------|------|-------|------------|-------|----------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708064 | SBI002:TB1:091701 | | | | 09/25/2001 | 3601 | Complete | dmg | | DATE/TIME TAKEN 09/17/2001 |

VOLATILE COMPOUNDS - 8260 (AQ)

| Compound | Result | Flag | Units | Date | Batch | Run | Reporting | Analyst | Method Reference |
|-----------------------------|----------|------|-------|------------|-------|----------|-----------|---------|------------------|
| 8260 - SW846 (AQ) | Complete | | | 09/25/2001 | 3601 | Complete | dmg | | |
| Acetone | <20.0 | | ug/L | 09/25/2001 | 3601 | <20.0 | dmg | | SW 8260B |
| Benzene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| tert-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| sec-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| n-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Bromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Bromoform | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Bromobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | 3601 | <12.5 | dmg | | SW 8260B |
| Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Chloroethane | <5.0 | | ug/L | 09/25/2001 | 3601 | <5.0 | dmg | | SW 8260B |
| 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Chloroform | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Chloromethane | <5.0 | | ug/L | 09/25/2001 | 3601 | <5.0 | dmg | | SW 8260B |
| Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Dibromomethane | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | 3601 | <5.0 | dmg | | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | <1.0 | dmg | | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708064 | SBI002:TB1:091701 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 |
| | -Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | 3601 | | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | 3601 | | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | 3601 | | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3601 | | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17216

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | | | |
| 708064 | SBI002:TB1:091701 | | | | | | | | | DATE/TIME TAKEN 09/17/2001 |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/25/2001 | | 3601 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | | 3601 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 107 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 103 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 96 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 108 | | % | 09/25/2001 | | 3601 | | dmg | SW 8260B |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.17216

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 01.17216

Sample Number: 707881

Analysis: 8260 Volatiles

The results for the unspiked sample did not match the MS/MSD samples. This was confirmed by duplicate analysis.

Sample Number: 707885-6, 707866, 707868-9

Analysis: 8270 BNA

The MB and LCS had the acid portion of a sample extract added to them. The acid portion of the LCS was concentrated and analyzed separately. All LCS recoveries were within method specifications and no target analytes were detected in the method blank.



Hull & Associates, Inc.

Dublin
 6130 Wilcox Road
 Dublin, Ohio 43016
 Phone: (614)385-8777
 FAX: (614)385-8070

Toledo
 3401 Glendale Avenue
 SUITE 300
 Toledo, Ohio 43614
 Phone: (419)385-2018
 FAX: (419)385-5489

Mason
 4700 Duke Drive, Suite 172
 Mason, Ohio 45040
 Phone: (513)459-9677
 FAX: (513)459-9869

Warrensville Heights
 4949 Galaxy Parkway, Suite S
 Warrensville Heights, Ohio 44128
 Phone: (216)514-7100
 FAX: (216)514-7104

REPORT TO: Kevin Wilman

Client: South Bend

Site: Area A

Project#: SBL002 Phase: _____

Samplers: Sam Heath

CHAIN OF CUSTODY RECORD

PAGE 2 OF 2

NO. 5375

| PRESERVATIVES | ANALYSES |
|---|----------|
| G | B |
| VOC 8260 Metals 8270 SVOC 8270 9/18/01 | |

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

PRESERVATIVES
 A - Cool only, 4°C
 B - HNO₃, pH<2
 C - H₂O₂, pH<2
 D - NaOH, pH>12
 E - NaOH, pH>12
 F - No S₂O₃ (0.008%)
 G - HCl, pH<2

METALS
 F - FILTERED
 N - NOT FILTERED
 B - BOTH

All samples are kept at 4°C.

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | SAMPLING DATE/TIME | METALS | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------------------|--------|-------------------------------|
| SBL002 | Hmw8D | G091701 | : 523 | 4 | 9-17-01 1630 | X | |
| SBL002 | Hmw8E | G091701 | : 523 | 4 | 9-17-01 1640 | X | |
| SBL002 | Hmw8S | G091701 | : 523 | 4 | 9-17-01 1650 | X | |
| SBL002 | Hmw8D | G091701D | : 523 | 4 | 9-17-01 1630 | X | |
| SBL002 | Hmw7S | G091701 | : 523 | 4 | 9-17-01 1745 | X | |
| SBL002 | Hmw3SS | G091701 | : 523 | 4 | 9-17-01 1800 | X | |
| SBL002 | Hmw3SS | G091701 | : 523 | 4 | 9-17-01 1800 | X | |
| SBL002 | Hmw17D | G091701 | : 523 | 4 | 9-17-01 1820 | X | |
| SBL002 | MW25D | G091701 | : 523 | 4 | 9-17-01 1830 | X | |
| SBL002 | MW25S | G091701 | : 523 | 4 | 9-17-01 1840 | X | |
| SBL002 | FBZ | W091701 | : 523 | 7 | 9-17-01 1845 | X | Extra sample for matrix spike |

RELINQUISHED BY: Sam Heath DATE: 9-18-01 TIME: 6:38

RECEIVED BY: Matt Young DATE: 9-18-01 TIME: 9:00

RELINQUISHED BY: Matt Young DATE: 9-18-01 TIME: 9:00

RECEIVED FOR LAB BY: DAH DATE: 9-19-01 TIME: 15:30

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

COOLER TEMPERATURE AS RECEIVED °C: 4

Deliver To: Rec Test America
 Method of Delivery: Fed Ex
 Airbill Number: 82807275229
 NOTES: Check temp from TB-1

TURN AROUND TIME: STD DAYS

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

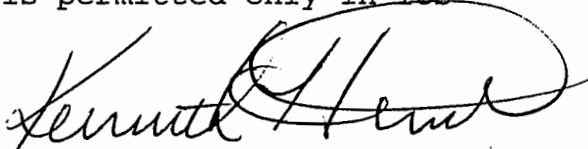
Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 707749 | SBI002:HMW1S:G091801:523 | 09/18/2001 | 09/19/2001 |
| 707750 | SBI002:HMW1I:G091801:523 | 09/18/2001 | 09/19/2001 |
| 707751 | SBI002:HMW1D:G091801:523 | 09/18/2001 | 09/19/2001 |
| 707752 | SBI002:TB1:091801 | 09/18/2001 | 09/19/2001 |
| 707863 | SBI002:19S:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707965 | SBI002:19S:G091801D:505 | 09/18/2001 | 09/19/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707729 | SBI002:MW28S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 08:50 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | | Complete | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | 0.0111 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Barium, ICPMS | 0.163 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0170 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3603 | Complete | bmh | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 707729 | SBI002:MW28S:G091801:505 | | | | | | | | | | 09/18/2001 08:50 |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B | |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B | |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B | |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707729 | SBI002:MW28S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 08:50 |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 104 | | ‡ | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| | Dibromofluoromethane (surr) | 101 | | ‡ | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| | d8-Toluene (surr) | 95 | | ‡ | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| | Bromofluorobenzene (surr) | 107 | | ‡ | 09/26/2001 | | 3603 | | bmh | SW 8260B |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN | | | | | | | | |
|--------------------------|--------------------------|------------------|--|------|------------|------|------|----------|-----|----------|
| 707730 | SBI002:MW28D:G091801:505 | 09/18/2001 08:40 | | | | | | | | |
| ICPMS TOTAL METALS | Complete | | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.0112 | | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0628 | | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0170 | | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707730 | SBI002:MW28D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 08:40 |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3603 | Complete | bmh | |
| Acetone | <20.0 | ug/L | | | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Carbon tetrachloride | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Chlorobenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Chloroethane | <5.0 | ug/L | | | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 2-Chlorotoluene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 4-Chlorotoluene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Chloroform | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Chloromethane | <5.0 | ug/L | | | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Dibromochloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Dibromomethane | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707730 | SBI002:MW28D:G091801:505 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/18/2001 08:40 |
| 1,1-Dichloroethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,2-Dichloroethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,1-Dichloroethene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| cis-1,2-Dichloroethene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| trans-1,2-Dichloroethene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,2-Dichloropropane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,3-Dichloropropane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 2,2-Dichloropropane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,1-Dichloropropene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| cis-1,3-Dichloropropene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| trans-1,3-Dichloropropene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Ethylbenzene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Hexachlorobutadiene | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| n-Hexane | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| 2-Hexanone | <12.5 | ug/L | 09/26/2001 | 3603 | <12.5 | bmh | SW 8260B | | | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| p-Isopropyltoluene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Bromomethane | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| Methylene Chloride | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| Methyl t-butyl ether (MTBE) | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | 09/26/2001 | 3603 | <12.5 | bmh | SW 8260B | | | |
| n-Propylbenzene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Styrene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Naphthalene | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707730 | SBI002:MW28D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 08:40 |
| | Tetrachloroethene | 12.8 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 106 | | † | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| | Dibromofluoromethane (surr) | 102 | | † | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| | d8-Toluene (surr) | 96 | | † | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| | Bromofluorobenzene (surr) | 100 | | † | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707731 | SBI002:HMW12D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 08:30 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | ICPMS TOTAL METALS | Complete | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Barium, ICPMS | 0.0626 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0028 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3603 | Complete | bmh | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707731 | SBI002:HMW12D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 08:30 |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707731 | SBI002:HMW12D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 08:30 |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Tetrachloroethene | | 1.4 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,1,1-Trichloroethane | | 1.6 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707731 | SBI002:HMW12D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 08:30 |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 105 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | | 101 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | | 97 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | | 101 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |

SAMPLE NO. 707732 **SAMPLE DESCRIPTION** SBI002:HMW11D:G091801:505 **DATE/TIME TAKEN** 09/18/2001 09:50

| | | | | | | | | | | |
|--------------------------|----------|--|------|--|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | mg/L | | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0555 | | mg/L | | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | mg/L | | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | mg/L | | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0036 | | mg/L | | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | mg/L | | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | mg/L | | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | mg/L | | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707732 | SBI002:HMW11D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 09:50 |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | 3603 | Complete | | bmh | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | 3603 | <20.0 | | bmh | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/26/2001 | 3603 | <12.5 | | bmh | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Carbon tetrachloride | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Chlorobenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Chloroethane | <5.0 | | | ug/L | 09/26/2001 | 3603 | <5.0 | | bmh | SW 8260B |
| 2-Chlorotoluene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 4-Chlorotoluene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Chloroform | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Chloromethane | <5.0 | | | ug/L | 09/26/2001 | 3603 | <5.0 | | bmh | SW 8260B |
| Dibromochloromethane | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Dibromomethane | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Dichlorodifluoromethane | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | | | ug/L | 09/26/2001 | 3603 | <5.0 | | bmh | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707732 | SBI002:HMW11D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 09:50 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,i-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707732 | SBI002:HMW11D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 09:50 |
| Tetrachloroethene | | 34.2 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 105 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | | 102 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | | 96 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | | 100 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707733 | SBI002:HMW11I:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 10:00 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.0325 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Lead, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Mercury, CVAA | 0.0025 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Selenium, GFAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Silver, ICPMS | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Metals Digestion, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Manual Mercury Digestion | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3603 | Complete | bmh | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | sec-Butylbenzene | 1.3 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707733 | SBI002:HMW11I:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 10:00 |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| n-Propylbenzene | | 1.2 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Trichloroethene | | 11.3 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707733 | SBI002:HMW11I:G091801:505 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/18/2001 10:00 |
| Xylenes | <1.0 | | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | 104 | | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | 103 | | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | 95 | | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | 99 | | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------|----------------------------|--------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|
| 707734 | SBI002:HMW11I:G091801D:505 | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/18/2001 10:00 |
| ICPMS TOTAL METALS | Complete | | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0335 | | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0022 | | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707734 | SBI002:HMW11I:G091801D:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 10:00 |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | 3603 | Complete | | bmh | |
| Acetone | <20.0 | ug/L | | | 09/26/2001 | 3603 | <20.0 | | bmh | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| sec-Butylbenzene | 1.4 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/26/2001 | 3603 | <12.5 | | bmh | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Carbon tetrachloride | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Chlorobenzene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Chloroethane | <5.0 | ug/L | | | 09/26/2001 | 3603 | <5.0 | | bmh | SW 8260B |
| 2-Chlorotoluene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 4-Chlorotoluene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Chloroform | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Chloromethane | <5.0 | ug/L | | | 09/26/2001 | 3603 | <5.0 | | bmh | SW 8260B |
| Dibromochloromethane | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Dibromomethane | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| Dichlorodifluoromethane | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | | 09/26/2001 | 3603 | <5.0 | | bmh | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | | 09/26/2001 | 3603 | <1.0 | | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707734 | SBI002:HMW11I:G091801D:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 10:00 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,2-Dichloroethene | 34.2 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,2-Dichloroethene | 5.3 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| | n-Propylbenzene | 1.3 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707735 | SBI002:MW24D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | 0.0100 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.0723 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Lead, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Mercury, CVAA | 0.110 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Selenium, GFAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Silver, ICPMS | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Metals Digestion, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Manual Mercury Digestion | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH DRO Aqueous | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH DRO Aqueous | Complete | | | 09/25/2001 | 125 | | Complete | mem | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3603 | Complete | bmh | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707735 | SBI002:MW24D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 103 | | ‡ | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | | 102 | | ‡ | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | | 96 | | ‡ | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | | 101 | | ‡ | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707735 | SBI002:MW24D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| Surrogate: d5-Nitrobenzene | | 83 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 88 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 63 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/26/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 82 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 82 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 79 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| TPH - DRO AQUEOUS | | <1 | | mg/L | 09/26/2001 | 125 | 213 | <1 | meb | SW 8015M |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 09/21/2001 | | 85 | <1 | meb | SW 8015M |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|------------|--------------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-----------------------------|-----------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | | |
| 707736 | SBI002:HMW23D:G091801:505 | | | | | | | | | | |
| | ICPMS TOTAL METALS | Complete | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 | |
| | Arsenic, ICPMS | 0.0138 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 | |
| | Barium, ICPMS | 0.192 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 | |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 | |
| | Chromium, ICPMS (0.005) | 0.0223 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 | |
| | Lead, ICPMS | 0.0601 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 | |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A | |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 | |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 | |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A | |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A | |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A | |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 | |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 | |
| | Prep, TPH DRO Aqueous | Complete | | | 09/25/2001 | 125 | | Complete | mem | | |
| | VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3603 | Complete | bmh | | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B | |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707736 | SBI002:HMW23D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707736 | SBI002:HMW23D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 106 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | | 104 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | | 95 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | | 100 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethyl) ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707736 | SBI002:HMW23D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| Chrysene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dibenzo (a,h)anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/27/2001 | 1277 | 2705 | <20 | dmg | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Indeno (1,2,3-cd)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707736 | SBI002:HMW23D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| Surrogate: d5-Nitrobenzene | | 83 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 80 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 47 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 43 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 80 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 76 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| TPH - DRO AQUEOUS | | <1 | | mg/L | 09/26/2001 | 125 | 213 | <1 | mcb | SW 8015M |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 09/21/2001 | | 85 | <1 | mcb | SW 8015M |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707737 | SBI002:FB1:W091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 18:00 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Lead, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 |
| | Prep, TPH DRO Aqueous | Complete | | | 09/25/2001 | 125 | | Complete | mem | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3603 | Complete | bmh | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707737 | SBI002:FB1:W091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 18:00 |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707737 | SBI002:FB1:W091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 18:00 |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 101 | | % | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | | 101 | | % | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | | 98 | | % | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | | 104 | | % | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707738 | SBI002:HMW10S:G091801:505 | | | | 09/25/2001 | 125 | | Complete | mlr | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | 3603 | | Complete | bmh | |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | 3603 | <20.0 | bmh | SW 8260B | |
| Benzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| sec-Butylbenzene | | 4.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | 3603 | <12.5 | bmh | SW 8260B | |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707738 | SBI002:HMW10S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 11:40 |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| cis-1,2-Dichloroethene | | 4.2 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707738 | SBI002:HMW10S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 11:40 |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Tetrachloroethene | 31.2 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | 47.8 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 103 | | % | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| | Dibromofluoromethane (surr) | 100 | | % | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| | d8-Toluene (surr) | 97 | | % | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| | Bromofluorobenzene (surr) | 101 | | % | 09/26/2001 | 3603 | 3603 | | bmh | SW 8260B |
| | TPH - DRO AQUEOUS | 2.2 | | mg/L | 09/27/2001 | 125 | 215 | <1 | meb | SW 8015M |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707739 | SBI002:HMW16D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:15 |
| Prep, Base Neutral | | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; 52 |
| Prep, Acid Extractable | | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | | Complete | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 |
| Prep, TPH DRO Aqueous | | Complete | | | 09/25/2001 | 125 | | Complete | mem | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | 3603 | | Complete | bmh | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | 3603 | | <20.0 | bmh | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/26/2001 | 3603 | | <12.5 | bmh | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Carbon tetrachloride | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Chlorobenzene | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Chloroethane | <5.0 | | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| 2-Chlorotoluene | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 4-Chlorotoluene | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Chloroform | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Chloromethane | <5.0 | | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| Dibromochloromethane | <1.0 | | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707739 | SBI002:HMW16D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:15 |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloroethane | 1.2 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,2-Dichloroethene | 2.8 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707739 | SBI002:HMW16D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:15 |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | | 09/26/2001 | 3603 | <12.5 | bmh | SW 8260B | | |
| n-Propylbenzene | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| Styrene | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| Naphthalene | <5.0 | ug/L | | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| Tetrachloroethene | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| Toluene | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| 1,2,4-Trichlorobenzene | <5.0 | ug/L | | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | |
| 1,1,1-Trichloroethane | 1.2 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| 1,1,2-Trichloroethane | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| Trichloroethene | 2.3 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| Trichlorofluoromethane | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| 1,2,3-Trichloropropane | <5.0 | ug/L | | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| 1,3,5-Trimethylbenzene | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| Vinyl Acetate | <5.0 | ug/L | | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | |
| Vinyl Chloride | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| Xylenes | <1.0 | ug/L | | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | |
| d4-1,2-Dichloroethane (surr) | 104 | % | | 09/26/2001 | 3603 | | bmh | SW 8260B | | |
| Dibromofluoromethane (surr) | 101 | % | | 09/26/2001 | 3603 | | bmh | SW 8260B | | |
| d8-Toluene (surr) | 97 | % | | 09/26/2001 | 3603 | | bmh | SW 8260B | | |
| Bromofluorobenzene (surr) | 103 | % | | 09/26/2001 | 3603 | | bmh | SW 8260B | | |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | <10 | ug/L | | 09/26/2001 | 1277 2705 | <10 | dmg | SW 8270C | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|--------|-----------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | | |
| 707739 | SBI002:HMW16D:G091801:505 | | | | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <50 | | ug/L | 09/26/2001 | 1277 | 2705 | <50 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |
| | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707739 | SBI002:HMW16D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:15 |
| Di-n-octylphthalate | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/26/2001 | 1277 | 2705 | <20 | dmg | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 81 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 85 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 51 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/26/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707740 | SBI002:MW11S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:20 |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | 3603 | | <20.0 | bmh | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | 3603 | | <12.5 | bmh | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707740 | SBI002:MW11S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:20 |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| cis-1,2-Dichloroethene | | 1.1 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | 3603 | | <12.5 | bmh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | 3603 | | <12.5 | bmh | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | 3603 | | <5.0 | bmh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/26/2001 | 3603 | | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707740 | SBI002:MW11S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:20 |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Chrysené | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/27/2001 | 1277 | 2705 | <20 | dmg | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707740 | SBI002:MW11S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:20 |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 86 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 87 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| | Surrogate: d14-Terphenyl | 65 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Phenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707740 | SBI002:MW11S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:20 |
| Surrogate: d6-Phenol | 76 | % | | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | 82 | % | | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | 68 | % | | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| TPH - DRO AQUEOUS | <1 | mg/L | | | 09/26/2001 | 125 | 213 | <1 | meh | SW 8015M |
| TPH - Method 418.1 (AQ) | <0.2 | mg/L | | | 09/27/2001 | 602 | 723 | <0.2 | 260 | EPA 418.1 |

SAMPLE NO. 707741 **SAMPLE DESCRIPTION** SBI002:MW11D:G091801:505 **DATE/TIME TAKEN** 09/18/2001 06:25

| | | | | | | | | | | |
|------------------------|----------|--|--|--|------------|------|--|----------|-----|-----------------------------|
| Prep, Base Neutral | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 |
| Prep, TPH DRO Aqueous | Complete | | | | 09/25/2001 | 125 | | Complete | mem | |

VOLATILE COMPOUNDS - 8260 (AQ)

| | | | | | | | | | | |
|----------------------|----------|------|--|--|------------|--|------|----------|-----|----------|
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3603 | Complete | bmh | |
| Acetone | <20.0 | ug/L | | | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707741 | SBI002:MW11D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:25 |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3603 | 3603 | <12.5 | bmh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Tetrachloroethene | 1.7 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | 1.4 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | 1.1 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3603 | 3603 | <5.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707741 | SBI002:MW11D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:25 |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 105 | | † | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | | 102 | | † | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | | 96 | | † | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | | 100 | | † | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707741 | SBI002:MW11D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:25 |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Chrysene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dibenzo (a, h) anthracene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/27/2001 | 1277 | 2705 | <20 | dmg | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Indeno (1,2,3-cd) pyrene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707742 | SBI002:HMW19D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:30 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | ICPMS TOTAL METALS | Complete | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Barium, ICPMS | 0.0561 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0014 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/27/2001 | | 3607 | Complete | bmh | |
| | Acetone | <20.0 | | ug/L | 09/27/2001 | | 3607 | <20.0 | bmh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/27/2001 | | 3607 | <12.5 | bmh | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707742 | SBI002:HMW19D:G091801:505 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/18/2001 06:30 |
| Carbon tetrachloride | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| Chlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| Chloroethane | <5.0 | ug/L | | 09/27/2001 | 3607 | <5.0 | bmh | SW 8260B | | |
| 2-Chlorotoluene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 4-Chlorotoluene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| Chloroform | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| Chloromethane | <5.0 | ug/L | | 09/27/2001 | 3607 | <5.0 | bmh | SW 8260B | | |
| Dibromochloromethane | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| Dibromomethane | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| Dichlorodifluoromethane | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | 09/27/2001 | 3607 | <5.0 | bmh | SW 8260B | | |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,1-Dichloroethane | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,2-Dichloroethane | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,1-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| cis-1,2-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| trans-1,2-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,2-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,3-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 2,2-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| 1,1-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| cis-1,3-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| trans-1,3-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |
| Ethylbenzene | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707742 | SBI002:HMW19D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:30 |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/27/2001 | | 3607 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/27/2001 | | 3607 | <12.5 | bmh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Tetrachloroethene | 46.9 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707742 | SBI002:HMW19D:G091801:505 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/18/2001 06:30 |

| | | | | | | | | |
|------------------------------|------|------|--|------------|------|------|-----|----------|
| Xylenes | <1.0 | ug/L | | 09/27/2001 | 3607 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | 100 | % | | 09/27/2001 | 3607 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | 102 | % | | 09/27/2001 | 3607 | | bmh | SW 8260B |
| d8-Toluene (surr) | 98 | % | | 09/27/2001 | 3607 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | 103 | % | | 09/27/2001 | 3607 | | bmh | SW 8260B |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|--------------------------|------------------|
| 707743 | SBI002:MW15D:G091801:505 | 09/18/2001 06:35 |

| | | | | | | | |
|--------------------------|----------|------|------------|-----------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | 09/28/2001 | 2566 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | mg/L | 09/28/2001 | 1847 3691 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.0648 | mg/L | 09/28/2001 | 1847 3899 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | 09/28/2001 | 1847 3570 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | 09/28/2001 | 1847 3970 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0017 | mg/L | 09/28/2001 | 1847 3648 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | 09/25/2001 | 1414 1360 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | 09/27/2001 | 752 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | 09/28/2001 | 1847 3905 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | 09/26/2001 | 1847 | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | 09/26/2001 | 752 | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | 09/24/2001 | 1414 | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|----------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707743 | SBI002:MW15D:G091801:505 | | | | | | | | | |
| | 0260 - SW846 (AQ) | Complete | | | 09/27/2001 | | 3607 | Complete | bmh | |
| | Acetone | <20.0 | | ug/L | 09/27/2001 | | 3607 | <20.0 | bmh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | sec-Butylbenzene | 4.1 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/27/2001 | | 3607 | <12.5 | bmh | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707743 | SBI002:MW15D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:35 |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| cis-1,2-Dichloroethene | | 7.6 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| trans-1,2-Dichloroethene | | 1.5 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| n-Hexane | | 48.8 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/27/2001 | | 3607 | <12.5 | bmh | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/27/2001 | | 3607 | <12.5 | bmh | SW 8260B |
| n-Propylbenzene | | 2.4 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707743 | SBI002:MW15D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 06:35 |
| | Tetrachloroethene | 270 | | ug/L | 09/27/2001 | | 3610 | <10 | eap | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | 14.8 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | 1,3,5-Trimethylbenzene | 1.4 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/27/2001 | | 3607 | <5.0 | bmh | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/27/2001 | | 3607 | <1.0 | bmh | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 100 | | ‡ | 09/27/2001 | | 3607 | | bmh | SW 8260B |
| | Dibromofluoromethane (surr) | 101 | | ‡ | 09/27/2001 | | 3607 | | bmh | SW 8260B |
| | d8-Toluene (surr) | 93 | | ‡ | 09/27/2001 | | 3607 | | bmh | SW 8260B |
| | Bromofluorobenzene (surr) | 102 | | ‡ | 09/27/2001 | | 3607 | | bmh | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|-----------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707744 | SBI002:HMW23S:G091801:505 | | | | | | | | | |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/27/2001 | | 3610 | Complete | eap | |
| Acetone | <20.0 | | | ug/L | 09/27/2001 | | 3610 | <20.0 | eap | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Carbon tetrachloride | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Chlorobenzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Chloroethane | <5.0 | | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| 2-Chlorotoluene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| 4-Chlorotoluene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Chloroform | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Chloromethane | <5.0 | | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| Dibromochloromethane | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Dibromomethane | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Dichlorodifluoromethane | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|---------------------------|--------|------|------------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707744 | SBI002:HMW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:00 |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,1-Dichloroethane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,2-Dichloroethane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,1-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| cis-1,2-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| trans-1,2-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,2-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,3-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 2,2-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,1-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| cis-1,3-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| trans-1,3-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| Ethylbenzene | 4.8 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| Hexachlorobutadiene | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| n-Hexane | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| 2-Hexanone | <12.5 | ug/L | | 09/27/2001 | 3610 | <12.5 | eap | SW 8260B | | |
| Isopropylbenzene (Cumene) | 78.3 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| p-Isopropyltoluene | 430 | ug/L | | 09/27/2001 | 3610 | <100 | eap | SW 8260B | | |
| Bromomethane | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| Methylene Chloride | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| Methyl t-butyl ether (MTBE) | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | | 09/27/2001 | 3610 | <12.5 | eap | SW 8260B | | |
| n-Propylbenzene | 161 | ug/L | | 09/27/2001 | 3610 | <100 | eap | SW 8260B | | |

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707744 | SBI002:HMW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:00 |
| Styrene | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Naphthalene | | 371 | | ug/L | 09/27/2001 | | 3610 | <100 | eap | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| 1,2,4-Trimethylbenzene | | 7,740 | | ug/L | 09/27/2001 | | 3610 | <100 | eap | SW 8260B |
| 1,3,5-Trimethylbenzene | | 2,330 | | ug/L | 09/27/2001 | | 3610 | <100 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Xylenes | | 146 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 103 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 102 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| d8-Toluene (surr) | | 95 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 94 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707744 | SBI002:HMW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:00 |
| | Benzo(a)anthracene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Chrysene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/27/2001 | 1277 | 2712 | <50 | jrw | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707744 | SBI002:HMW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:00 |
| Fluorene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/27/2001 | 1277 | 2712 | <20 | jrw | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 87 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 78 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 62 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/27/2001 | 1277 | 2712 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |

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Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707744 | SBI002:HMW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:00 |
| | 2-Nitrophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| | Phenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| | Surrogate: d6-Phenol | 83 | | % | 09/27/2001 | 1277 | 2712 | | jrj | SW 8270C |
| | Surrogate: 2-Fluorophenol | 77 | | % | 09/27/2001 | 1277 | 2712 | | jrj | SW 8270C |
| | Surrogate: Tribromophenol | 52 | | % | 09/27/2001 | 1277 | 2712 | | jrj | SW 8270C |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 09/21/2001 | | 85 | <1 | meh | SW 8015M |
| 707745 | SBI002:MW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:05 |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/27/2001 | | 3610 | Complete | eap | |
| | Acetone | <20.0 | | ug/L | 09/27/2001 | | 3610 | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707745 | SBI002:MW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:05 |
| | Bromochloromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 707745 | SBI002:MW23S:G091801:505 | | | | | | | | | | 09/18/2001 07:05 |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Ethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | n-Hexane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 2-Hexanone | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B | |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Bromomethane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | Methylene Chloride | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B | |
| | n-Propylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Styrene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Naphthalene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Tetrachloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Toluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 1,1,1-Trichloroethane | 2.3 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Trichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707745 | SBI002:MW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:05 |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 107 | | † | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | Dibromofluoromethane (surr) | 104 | | † | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | d8-Toluene (surr) | 96 | | † | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | Bromofluorobenzene (surr) | 106 | | † | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Anthracene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo (a) anthracene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo (b) fluoranthene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo (k) fluoranthene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo (a) pyrene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethyl) ether | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethoxy) methane | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Ethylhexyl) phthalate | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|--------------------------|--------|------------|-------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 707745 | SBI002:MW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:05 |
| 4-Bromophenyl phenyl ether | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| 4-Chloroaniline | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| 2-Chloronaphthalene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Chrysene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Dibenzo(a,h)anthracene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Dibenzofuran | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| 1,2-Dichlorobenzene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| 1,3-Dichlorobenzene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| 1,4-Dichlorobenzene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| 3,3'-Dichlorobenzidine | <50 | ug/L | 09/26/2001 | 1277 | 2705 | <50 | dmg | SW 8270C | | |
| Diethyl phthalate | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Dimethyl phthalate | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| 2,4-Dinitrotoluene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| 2,6-Dinitrotoluene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Di-n-octylphthalate | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Fluoranthene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Fluorene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Hexachlorobenzene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Hexachloro-1,3-butadiene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Hexachlorocyclopentadiene | <20 | ug/L | 09/26/2001 | 1277 | 2705 | <20 | dmg | SW 8270C | | |
| Hexachloroethane | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Indeno(1,2,3-cd)pyrene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Isophorone | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| Naphthalene | 417 | ug/L | 09/27/2001 | 1277 | 2712 | <100 | jrj | SW 8270C | | |
| Nitrobenzene | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |
| N-Nitrosodi-n-propylamine | <10 | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707745 | SBI002:MW23S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:05 |
| Phenanthrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 60 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 71 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 50 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/26/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 23 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 91 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 83 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| TPH - GRO (Aqueous) | | 36.2 | | mg/L | 09/21/2001 | | 85 | <10 | meb | SW 8015M |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-----------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707746 | SBI002:MW23D:G091801:505 | | | | | | | | | |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/27/2001 | 3610 | | Complete | eap | |
| | Acetone | <20.0 | | ug/L | 09/27/2001 | 3610 | | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/27/2001 | 3610 | | <12.5 | eap | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|------------|----------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707746 | SBI002:MW23D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:10 |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| 1,2-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,3-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,4-Dichlorobenzene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,1-Dichloroethane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,2-Dichloroethane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,1-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| cis-1,2-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| trans-1,2-Dichloroethene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,2-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,3-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 2,2-Dichloropropane | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| 1,1-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| cis-1,3-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| trans-1,3-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| Ethylbenzene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| Hexachlorobutadiene | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| n-Hexane | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| 2-Hexanone | <12.5 | ug/L | | 09/27/2001 | 3610 | <12.5 | eap | SW 8260B | | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| p-Isopropyltoluene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |
| Bromomethane | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| Methylene Chloride | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| Methyl t-butyl ether (MTBE) | <5.0 | ug/L | | 09/27/2001 | 3610 | <5.0 | eap | SW 8260B | | |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | | 09/27/2001 | 3610 | <12.5 | eap | SW 8260B | | |
| n-Propylbenzene | <1.0 | ug/L | | 09/27/2001 | 3610 | <1.0 | eap | SW 8260B | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707746 | SBI002:MW23D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:10 |
| Styrene | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <5.0 | eap | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <5.0 | eap | SW 8260B |
| 1,1,1-Trichloroethane | | 3.7 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <5.0 | eap | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 106 | | % | 09/27/2001 | 3610 | 3610 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 103 | | % | 09/27/2001 | 3610 | 3610 | | eap | SW 8260B |
| d8-Toluene (surr) | | 98 | | % | 09/27/2001 | 3610 | 3610 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 106 | | % | 09/27/2001 | 3610 | 3610 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) | 8270 | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707746 | SBI002:MW23D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:10 |
| | Benzo(a)anthracene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Chrysene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/26/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707746 | SBI002:MW23D:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:10 |
| Fluorene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/26/2001 | 1277 | 2705 | <20 | dmg | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 80 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 85 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 57 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/26/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference | |
|------------|--------------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-----------------------------|-----------|--|
| | | | | | Analyzed | Batch | Batch | | Initials | | | |
| 707746 | SBI002:MW23D:G091801:505 | | | | | | | | | | | |
| | | | | | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C | |
| | 2-Nitrophenol | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C | |
| | Pentachlorophenol | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C | |
| | Phenol | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C | |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C | |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW | 8270C | |
| | Surrogate: d6-Phenol | 75 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW | 8270C | |
| | Surrogate: 2-Fluorophenol | 78 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW | 8270C | |
| | Surrogate: Tribromophenol | 77 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW | 8270C | |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 09/21/2001 | | 85 | <1 | meb | SW | 8015M | |
| 707747 | SBI002:HMW13S:G091801:523 | | | | | | | | | | | |
| | | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 | | |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 | | |
| | Prep, Acid Extractable | Complete | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 | | |
| | Prep, TPH - 418.1 aq | Complete | | | 09/25/2001 | 125 | | Complete | mem | | | |
| | Prep, TPH DRO Aqueous | Complete | | | | | | | | | | |
| | VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/27/2001 | | 3610 | Complete | eap | | | |
| | Acetone | <20.0 | | ug/L | 09/27/2001 | | 3610 | <20.0 | eap | SW | 8260B | |
| | Benzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B | |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707747 | SBI002:HMW13S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 15:45 |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/27/2001 | 3610 | | <12.5 | eap | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | 2.8 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

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HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707747 | SBI002:HMW13S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 15:45 |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707747 | SBI002:HMW13S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 15:45 |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Trichloroethene | | 19.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 102 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 102 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| d8-Toluene (surr) | | 96 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 106 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo (a) anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo (b) fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo (k) fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo (a) pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethyl) ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethoxy) methane | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707747 | SBI002:HMW13S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 15:45 |
| Nitrobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 84 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 74 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 40 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/27/2001 | 1277 | 2712 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Phenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 12 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 7 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 6 | note | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707747 | SBI002:HMW13S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 15:45 |
| TPH - DRO AQUEOUS | | <1 | | mg/L | 09/26/2001 | 125 | 213 | <1 | meh | SW 8015M |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 09/27/2001 | 602 | 723 | <0.2 | 260 | EPA 418.1 |
| 707748 | SBI002:HMW2S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 16:20 |
| ICPMS TOTAL METALS | Complete | | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.146 | | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.448 | | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | 0.0041 | | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | 0.163 | | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.531 | | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | 0.0007 | | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| Prep, TPH - 418.1 aq | Complete | | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/27/2001 | | 3610 | Complete | eap | |
| Acetone | <20.0 | | | ug/L | 09/27/2001 | | 3610 | <20.0 | eap | SW 8260B |

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Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 707748 | SBI002:HMW2S:G091801:523 | | | | | | | | | | 09/18/2001 16:20 |
| | Benzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | n-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Bromochloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Bromodichloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Bromoform | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Bromobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/27/2001 | 3610 | 3610 | <12.5 | eap | SW 8260B | |
| | Carbon disulfide | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Chlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Chloroethane | <5.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <5.0 | eap | SW 8260B | |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Chloroform | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Chloromethane | <5.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <5.0 | eap | SW 8260B | |
| | Dibromochloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Dibromomethane | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <5.0 | eap | SW 8260B | |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | 3610 | <1.0 | eap | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707748 | SBI002:HMW2S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 16:20 |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | 1.3 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

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10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707748 | SBI002:HMW2S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 16:20 |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Trichloroethene | 8.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 108 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | Dibromofluoromethane (surr) | 103 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | d8-Toluene (surr) | 96 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | Bromofluorobenzene (surr) | 108 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 09/21/2001 | | 85 | <1 | meb | SW 8015M |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/27/2001 | 602 | 723 | <0.2 | 260 | EPA 418.1 |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707749 | SBI002:HMW1S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:00 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.0386 | | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 0.205 | | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | 0.0012 | | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | 0.0087 | | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0754 | | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/27/2001 | | 3610 | Complete | eap | |
| Acetone | <20.0 | | | ug/L | 09/27/2001 | | 3610 | <20.0 | eap | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707749 | SBI002:HMW1S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:00 |
| | Bromobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/27/2001 | 3610 | | <12.5 | eap | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |

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Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | | |
| 707749 | SBI002:HMW1S:G091801:523 | | | | | | | | | | 09/18/2001 17:00 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Ethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | n-Hexane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 2-Hexanone | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B | |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Bromomethane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | Methylene Chloride | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B | |
| | n-Propylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Styrene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Naphthalene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Tetrachloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Toluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Trichloroethene | 2.3 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B | |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B | |

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Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707749 | SBI002:HMW1S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:00 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 108 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 104 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| d8-Toluene (surr) | | 94 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 104 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |

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Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|---------------------------|--------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 707749 | SBI002:HMW1S:G091801:523 | | | | | | | | | | 09/18/2001 17:00 |
| | Chrysene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Dibenzofuran | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/27/2001 | 1277 | 2712 | <50 | jrw | SW 8270C | |
| | Diethyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Dimethyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Di-n-octylphthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Fluoranthene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Fluorene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Hexachlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/27/2001 | 1277 | 2712 | <20 | jrw | SW 8270C | |
| | Hexachloroethane | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Isophorone | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Naphthalene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Nitrobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Phenanthrene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | Pyrene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C | |

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ANALYTICAL REPORT

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 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707749 | SBI002:HMW1S:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:00 |
| Surrogate: d5-Nitrobenzene | | 82 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 75 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: d14-Terphenyl | | 56 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/27/2001 | 1277 | 2712 | <50 | jrw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Phenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Surrogate: d6-Phenol | | 73 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: 2-Fluorophenol | | 76 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| Surrogate: Tribromophenol | | 66 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 09/21/2001 | | 85 | <1 | meb | SW 8015M |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 09/27/2001 | 602 | 723 | <0.2 | 260 | EPA 418.1 |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707750 | SBI002:HMW1I:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:10 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | mg/L | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | 0.0230 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.0946 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0087 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Mercury, CVAA | 0.0394 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Selenium, GFAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Silver, ICPMS | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Metals Digestion, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Manual Mercury Digestion | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/27/2001 | | 3610 | Complete | eap | |
| | Acetone | <20.0 | | ug/L | 09/27/2001 | | 3610 | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707750 | SBI002:HMW11:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:10 |
| | Bromobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/27/2001 | | 3610 | <12.5 | eap | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | cis-1,2-Dichloroethene | 4.3 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707750 | SBI002:HMW1I:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:10 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/27/2001 | 3610 | | <12.5 | eap | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/27/2001 | 3610 | | <12.5 | eap | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Trichloroethene | 16.8 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707750 | SBI002:HMW1I:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:10 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 109 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| Dibromofluoromethane (surr) | | 104 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| d8-Toluene (surr) | | 95 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| Bromofluorobenzene (surr) | | 105 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707750 | SBI002:HMW1I:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:10 |
| Chrysene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Dibenzo(a,h)anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/27/2001 | 1277 | 2712 | <50 | jrw | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/27/2001 | 1277 | 2712 | <20 | jrw | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |

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ANALYTICAL REPORT

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 6130 Wilcox Rd.
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10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707750 | SBI002:HMW1I:G091801:523 | | | | | | | | | |
| | Surrogate: d5-Nitrobenzene | 89 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 84 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 51 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/27/2001 | 1277 | 2712 | <50 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Phenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 69 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 72 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 62 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 09/21/2001 | | 85 | <1 | meb | SW 8015M |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/27/2001 | 602 | 723 | <0.2 | 260 | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
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 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707751 | SBI002:HMW1D:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:20 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Arsenic, ICPMS | Complete | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Barium, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.0368 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0010 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Lead, ICPMS | <0.0050 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Mercury, CVAA | 0.0034 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Selenium, GFAA | <0.0002 | | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Silver, ICPMS | <0.0050 | | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Metals Digestion, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Manual Mercury Digestion | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/26/2001 | 602 | | Complete | sub | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/27/2001 | | 3610 | Complete | eap | |
| | Acetone | <20.0 | | ug/L | 09/27/2001 | | 3610 | <20.0 | eap | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707751 | SBI002:HMW1D:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:20 |
| Bromobenzene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/27/2001 | 3610 | | <12.5 | eap | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/27/2001 | 3610 | | <5.0 | eap | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| cis-1,2-Dichloroethene | | 1.8 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/27/2001 | 3610 | | <1.0 | eap | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|------------|----------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 707751 | SBI002:HMW1D:G091801:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/18/2001 17:20 |
| cis-1,3-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| trans-1,3-Dichloropropene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Ethylbenzene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Hexachlorobutadiene | <5.0 | ug/L | | 09/27/2001 | | 3610 | <5.0 | eap | SW | 8260B |
| n-Hexane | <5.0 | ug/L | | 09/27/2001 | | 3610 | <5.0 | eap | SW | 8260B |
| 2-Hexanone | <12.5 | ug/L | | 09/27/2001 | | 3610 | <12.5 | eap | SW | 8260B |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| p-Isopropyltoluene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Bromomethane | <5.0 | ug/L | | 09/27/2001 | | 3610 | <5.0 | eap | SW | 8260B |
| Methylene Chloride | <5.0 | ug/L | | 09/27/2001 | | 3610 | <5.0 | eap | SW | 8260B |
| Methyl t-butyl ether (MTBE) | <5.0 | ug/L | | 09/27/2001 | | 3610 | <5.0 | eap | SW | 8260B |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | | 09/27/2001 | | 3610 | <12.5 | eap | SW | 8260B |
| n-Propylbenzene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Styrene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Naphthalene | <5.0 | ug/L | | 09/27/2001 | | 3610 | <5.0 | eap | SW | 8260B |
| 1,1,1,2-Tetrachloroethane | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Tetrachloroethene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Toluene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| 1,2,4-Trichlorobenzene | <5.0 | ug/L | | 09/27/2001 | | 3610 | <5.0 | eap | SW | 8260B |
| 1,1,1-Trichloroethane | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| 1,1,2-Trichloroethane | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Trichloroethene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| Trichlorofluoromethane | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |
| 1,2,3-Trichloropropane | <5.0 | ug/L | | 09/27/2001 | | 3610 | <5.0 | eap | SW | 8260B |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | | 09/27/2001 | | 3610 | <1.0 | eap | SW | 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707751 | SBI002:HMW1D:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:20 |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/27/2001 | | 3610 | <5.0 | eap | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/27/2001 | | 3610 | <1.0 | eap | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 107 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | Dibromofluoromethane (surr) | 105 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | d8-Toluene (surr) | 96 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | Bromofluorobenzene (surr) | 107 | | % | 09/27/2001 | | 3610 | | eap | SW 8260B |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Anthracene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707751 | SBI002:HMW1D:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:20 |
| Chrysene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dibenzo (a, h) anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/27/2001 | 1277 | 2705 | <20 | dmg | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Indeno (1,2,3-cd) pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707751 | SBI002:HMW1D:G091801:523 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 17:20 |
| Surrogate: d5-Nitrobenzene | | 75 | ‡ | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 79 | ‡ | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 48 | ‡ | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 44 | ‡ | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 45 | ‡ | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 43 | ‡ | | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 09/21/2001 | | 85 | <1 | meb | SW 8015M |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 09/27/2001 | 602 | 723 | <0.2 | sub | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------|----------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707752 | SBI002:TB1:091801 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | | 3603 | Complete | bmh | |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707752 | SBI002:TB1:091801 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707752 | SBI002:TB1:091801 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 101 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | | 101 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | | 97 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | | 105 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707863 | SBI002:19S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:30 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | | Complete | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | 2.14 | | mg/L | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| | Barium, ICPMS | 2.14 | | mg/L | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | 0.0020 | | mg/L | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| | Chromium, ICPMS (0.005) | 0.0276 | | mg/L | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.255 | | mg/L | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| | Mercury, CVAA | 0.0004 | MSD | mg/L | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | SSR | mg/L | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/26/2001 | 1847 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3603 | Complete | bmh | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3603 | <20.0 | bmh | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707863 | SBI002:19S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:30 |
| Bromobenzene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 2-Butanone (MEK) | <12.5 | ug/L | 09/26/2001 | 3603 | <12.5 | bmh | SW 8260B | | | |
| Carbon disulfide | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Carbon tetrachloride | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Chlorobenzene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Chloroethane | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| 2-Chlorotoluene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 4-Chlorotoluene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Chloroform | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Chloromethane | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| Dibromochloromethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Dibromomethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| Dichlorodifluoromethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,2-Dibromo-3-chloropropane | <5.0 | ug/L | 09/26/2001 | 3603 | <5.0 | bmh | SW 8260B | | | |
| 1,2-Dichlorobenzene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,3-Dichlorobenzene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,4-Dichlorobenzene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,1-Dichloroethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,2-Dichloroethane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,1-Dichloroethene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| cis-1,2-Dichloroethene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| trans-1,2-Dichloroethene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,2-Dichloropropane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,3-Dichloropropane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 2,2-Dichloropropane | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |
| 1,1-Dichloropropene | <1.0 | ug/L | 09/26/2001 | 3603 | <1.0 | bmh | SW 8260B | | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 707863 | SBI002:19S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:30 |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3603 | <12.5 | bmh | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Tetrachloroethene | 185 | | | 09/27/2001 | | 3607 | <10 | bmh | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 1,1,1-Trichloroethane | 1.8 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 707863 | SBI002:19S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:30 |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3603 | <5.0 | bmh | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3603 | <1.0 | bmh | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 101 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Dibromofluoromethane (surr) | | 101 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| d8-Toluene (surr) | | 96 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| Bromofluorobenzene (surr) | | 102 | | % | 09/26/2001 | | 3603 | | bmh | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)anthracene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(b)fluoranthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(k)fluoranthene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo(a)pyrene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethyl)ether | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Chloroethoxy)methane | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis(2-Ethylhexyl)phthalate | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,2'-oxybis(1-Chloropropane) | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|---------------|--------------|--------------|-----------|---------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 707863 | SBI002:19S:G091801:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:30 |
| Surrogate: d5-Nitrobenzene | | 82 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 91 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 71 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/26/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/26/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 53 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 52 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 27 | | % | 09/26/2001 | 1277 | 2705 | | dmg | SW 8270C |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 09/27/2001 | 602 | 723 | <0.2 | 260 | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707965 | SBI002:19S:G091801D:505 | | | | | | | | | DATE/TIME TAKEN 09/18/2001 07:30 |
| ICPMS TOTAL METALS | Complete | | | | 09/28/2001 | | 2566 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 2.86 | mg/L | | | 09/28/2001 | 1847 | 3691 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 3.10 | mg/L | | | 09/28/2001 | 1847 | 3899 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | 0.0033 | mg/L | | | 09/28/2001 | 1847 | 3570 | <0.0010 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | 0.0400 | mg/L | | | 09/28/2001 | 1847 | 3970 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.359 | mg/L | | | 09/28/2001 | 1847 | 3648 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | 0.0006 | mg/L | | | 09/25/2001 | 1414 | 1360 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | 0.006 | mg/L | | | 09/27/2001 | 752 | 578 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 09/28/2001 | 1847 | 3905 | <0.0005 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/26/2001 | 1847 | | Complete | jdm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 752 | | Complete | clm | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/24/2001 | 1414 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | | 09/26/2001 | 602 | | Complete | 260 | EPA 418.1 |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| Acenaphthylene | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| Anthracene | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| Benzo(a)anthracene | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| Benzo(b)fluoranthene | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| Benzo(k)fluoranthene | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| Benzo(a)pyrene | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| Benzyl alcohol | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |
| Benzyl butyl phthalate | <10 | ug/L | | | 09/27/2001 | 1277 | 2712 | <10 | jrj | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|---------------------------|-------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 707965 | SBI002:19S:G091801D:505 | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Surrogate: 2-Fluorophenol | 72 | % | | | 09/27/2001 | 1277 | 2712 | | jrj | SW 8270C |
| Surrogate: Tribromophenol | 33 | % | | | 09/27/2001 | 1277 | 2712 | | jrj | SW 8270C |
| TPH - Method 418.1 (AQ) | <0.2 | mg/L | | | 09/27/2001 | 602 | 723 | <0.2 | 260 | EPA 418.1 |

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.17192

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

TestAmerica, Incorporated

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NOTES AND COMMENTS

TestAmerica Job Number: 1.17192

Sample Number: 707747

Analysis: 8270 BNA

Recoveries of surrogates 2-fluorophenol and 2,4,6-tribromophenol were below recommended levels.

61.17192

PAGE ___ OF ___

NO. 5383

CHAIN OF CUSTODY RECORD



Hull & Associates, Inc.

Dublin
6300 Wilcox Road
Dublin, Ohio 43016
Phone: (614)385-8777
FAX: (614)385-9070

Toledo
3401 Glendale Avenue
SUITE 300
Toledo, Ohio 43614
Phone: (419)385-2018
FAX: (419)385-5489

Warrensville Heights
4949 Galaxy Parkway, Suite S
Warrensville Heights, Ohio 44128
Phone: (216)514-7100
FAX: (216)514-7104

REPORT TO: Kevin Wildman

Client: Spauth Bend

Site: Area A

Project#: SBID02 Phgse: DLTJST

Samplers: Matth Vozy

| PRESERVATIVES | ANALYSES |
|---------------|----------|
| U | A |
| o | X |
| A | X |
| B | A |
| B | B |

SAMPLE TYPES:
 AIR
 C ASBESTOS
 D SEDIMENT
 P GROUNDWATER
 PRODUCT
 W WILDER
 Z OTHERS

PRESERVATIVES:
 A - Cool only, <4° C
 B - HNO₃ pH<2
 C - H₂SO₄ pH<2
 D - NaOH pH>12
 E - Znacetate + NaOH, pH>9
 F - Na₂S₂O₅ (0.008%)
 G - HCl pH<2

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

All samples are kept at 4°C.

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | METALS | SAMPLING DATE/TIME | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------|--------------------|----------|
| SBID02 | MW285 | G091801 | : 505 | 3 | N | 9-18-01 8:50 | X |
| SBID02 | MW280 | G091801 | : 505 | 3 | N | 9-18-01 8:40 | X |
| SBID02 | HMW12D | G091801 | : 505 | 3 | N | 9-18-01 8:30 | X |
| SBID02 | HMW11D | G091801 | : 505 | 3 | N | 9-18-01 8:20 | X |
| SBID02 | HMW11E | G091801 | : 505 | 3 | N | 9-18-01 8:10 | X |
| SBID02 | MW24D | G091801 | : 505 | 7 | N | 9-18-01 | X |
| SBID02 | HMW23D | G091801 | : 505 | 7 | N | 9-18-01 | X |
| SBID02 | F/MW1E | G091801 | D: 505 | 3 | N | 9-18-01 10:00 | X |
| SBID02 | FBI | W091801 | : 505 | 9 | N | 9-18-01 10:00 | X |
| SBID02 | HMW05 | G091801 | : 505 | 5 | N | 9-18-01 11:40 | X |
| : | : | : | : | : | : | : | |
| : | : | : | : | : | : | : | |

*Received (not extra bottles) didn't receive for G/METALS.

| | | | |
|------------------------------------|---------------|--------------------------------|---------------|
| RELINQUISHED BY: <u>Matth Vozy</u> | DATE: 9-18-01 | RECEIVED BY: <u>Fed Ex</u> | DATE: 9-18-01 |
| RELINQUISHED BY: | TIME: 19-00 | RECEIVED BY: | TIME: 19-00 |
| RELINQUISHED BY: | DATE: - | RECEIVED FOR LAB BY: <u>SM</u> | DATE: 9-19-01 |
| RELINQUISHED BY: | TIME: - | | TIME: 10-00 |

Deliver To: Test America

Method of Delivery: Fed Ex

Airbill Number: _____

NOTES: Check Temp From TB1

TURN AROUND TIME: STD DAYS

SBI002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17192

Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|----------------------------|-------------------|----------------------|
| 707729 | SBI002:MW28S:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707730 | SBI002:MW28D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707731 | SBI002:HMW12D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707732 | SBI002:HMW11D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707733 | SBI002:HMW11I:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707734 | SBI002:HMW11I:G091801D:505 | 09/18/2001 | 09/19/2001 |
| 707735 | SBI002:MW24D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707736 | SBI002:HMW23D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707737 | SBI002:FB1:W091801:505 | 09/18/2001 | 09/19/2001 |
| 707738 | SBI002:HMW10S:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707739 | SBI002:HMW16D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707740 | SBI002:MW11S:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707741 | SBI002:MW11D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707742 | SBI002:HMW19D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707743 | SBI002:MW15D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707744 | SBI002:HMW23S:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707745 | SBI002:MW23S:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707746 | SBI002:MW23D:G091801:505 | 09/18/2001 | 09/19/2001 |
| 707747 | SBI002:HMW13S:G091801:523 | 09/18/2001 | 09/19/2001 |
| 707748 | SBI002:HMW2S:G091801:523 | 09/18/2001 | 09/19/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

SBI002

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466


Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|----------------------------|-------------------|----------------------|
| 708665 | SBI002:HMW25S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708666 | SBI002:HMW26S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708667 | SBI002:MW13S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708668 | SBI002:HMW13D:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708669 | SBI002:MW13D:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708670 | SBI002:HMW14S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708671 | SBI002:HMW14S:G091901D:523 | 09/19/2001 | 09/21/2001 |
| 708672 | SBI002:HMW15S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708673 | SBI002:HMW15D:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708674 | SBI002:HMW27S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708675 | SBI002:HMW18S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708676 | SBI002:HMW34S:G091901:523 | 09/19/2001 | 09/21/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


Approved By

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708665 | SBI002:HMW25S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 07:25 |
| ICPMS TOTAL METALS | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.647 | mg/L | | | 10/04/2001 | 1851 | 3719 | <0.0050 | ekh | SW 6020 |
| Barium, ICPMS | 7.03 | mg/L | | | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.20 | mg/L | | | 10/04/2001 | 1851 | 3598 | <0.20 | ekh | SW 6020 |
| Chromium, ICPMS (0.005) | 0.224 | mg/L | | | 10/04/2001 | 1851 | 3997 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 1.41 | mg/L | | | 10/04/2001 | 1851 | 3676 | <0.0010 | ekh | SW 6020 |
| Mercury, CVAA | 0.0023 | mg/L | | | 09/26/2001 | 1417 | 1364 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.010 | mg/L | | | 10/04/2001 | 1851 | 3933 | <0.010 | ekh | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3604 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/25/2001 | | 3604 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708665 | SBI002:HMW25S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 07:25 |
| | 4-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | 3604 | 3604 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708665 | SBI002:HMW25S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 07:25 |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | 2.4 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------------------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708665 | SBI002:HMW25S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 07:25 |
| | vinyl Acetate | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 101 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 96 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 99 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 104 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethyl) ether | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Chrysene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|---------------------------|--------|------------|-------|----------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | | |
| 708665 | SBI002:HMW25S:G091901:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/19/2001 07:25 |
| Dibenzo (a,h)anthracene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Dibenzofuran | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| 1,2-Dichlorobenzene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| 1,3-Dichlorobenzene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| 1,4-Dichlorobenzene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| 3,3'-Dichlorobenzidine | <50 | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C | | |
| Diethyl phthalate | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Dimethyl phthalate | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| 2,4-Dinitrotoluene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| 2,6-Dinitrotoluene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Di-n-octylphthalate | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Fluoranthene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Fluorene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Hexachlorobenzene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Hexachloro-1,3-butadiene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Hexachlorocyclopentadiene | <20 | ug/L | 09/28/2001 | 1279 | 2710 | <20 | jcs | SW 8270C | | |
| Hexachloroethane | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Indeno(1,2,3-cd)pyrene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Isophorone | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Naphthalene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Nitrobenzene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| N-Nitrosodi-n-propylamine | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Phenanthrene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Pyrene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| 1,2,4-Trichlorobenzene | <10 | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | | |
| Surrogate: d5-Nitrobenzene | 73 | * | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| | | | | | | Limit | | | | |
| 708665 | SBI002:HMW25S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 07:25 |
| Surrogate: 2-Fluorobiphenyl | 73 | ‡ | | ug/L | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: d14-Terphenyl | 54 | ‡ | | ug/L | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | <50 | | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| 4-Chloro-3-methylphenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Chlorophenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4-Dichlorophenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4-Dimethylphenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Methylphenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| meta & para-Methylphenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Nitrophenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Pentachlorophenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Phenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4,5-Trichlorophenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4,6-Trichlorophenol | <10 | | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Surrogate: d6-Phenol | 43 | | | ‡ | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: 2-Fluorophenol | 32 | | | ‡ | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| Surrogate: Tribromophenol | 18 | note | | ‡ | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| TPH - GRO (Aqueous) | <1 | | | mg/L | 10/02/2001 | | 86 | <1 | meb | SW 8015M |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708666 | SBI002:HMW26S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 07:55 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.112 | mg/L | | | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | 0.240 | mg/L | | | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | 0.0010 | mg/L | | | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | 0.0332 | mg/L | | | 10/04/2001 | 1851 | 3997 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.127 | mg/L | | | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | | | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | | | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | | | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3604 | Complete | dmg | |
| Acetone | <20.0 | ug/L | | | 09/25/2001 | | 3604 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | 2.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | ug/L | | | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | ug/L | | | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | | |
| 708666 | SBI002:HMW26S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 07:55 |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|------------|----------|-------|-------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 708666 | SBI002:HMW26S:G091901:523 | | | | | | | Limit | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/19/2001 07:55 |
| Hexachlorobutadiene | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| n-Hexane | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| 2-Hexanone | <12.5 | ug/L | | 09/25/2001 | 3604 | <12.5 | dmg | SW 8260B | | |
| Isopropylbenzene (Cumene) | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| p-Isopropyltoluene | 1.2 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Bromomethane | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| Methylene Chloride | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| Methyl t-butyl ether (MTBE) | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | | 09/25/2001 | 3604 | <12.5 | dmg | SW 8260B | | |
| n-Propylbenzene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Styrene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Naphthalene | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Tetrachloroethene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Toluene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,2,4-Trichlorobenzene | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| 1,1,1-Trichloroethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,1,2-Trichloroethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Trichloroethene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Trichlorofluoromethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,2,3-Trichloropropane | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,3,5-Trimethylbenzene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Vinyl Acetate | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| Vinyl Chloride | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|------------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708666 | SBI002:HMW26S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 07:55 |
| | xylenes | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 101 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 98 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 100 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 100 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 10/02/2001 | | 86 | <1 | mcb | SW 8015M |
| 708667 | SBI002:MW13S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 12:40 |
| | ICPMS TOTAL METALS | Complete | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| | Barium, ICPMS | 0.0578 | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| | Lead, ICPMS | 0.0015 | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708667 | SBI002:MW13S:G091901:523 | | | | 09/25/2001 | 3604 | 3604 | Complete | dmg | |
| | | | | | | | | | | DATE/TIME TAKEN 09/19/2001 12:40 |

VOLATILE COMPOUNDS - 8260 (AQ)

| Compound | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|----------|------|-------|------------|------|------|-----------|---------|------------------|
| 8260 - SW846 (AQ) | Complete | | | 09/25/2001 | 3604 | 3604 | Complete | dmg | |
| Acetone | <20.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | 3604 | 3604 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Chloroethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Chloroform | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Chloromethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Dibromomethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708667 | SBI002:MW13S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 12:40 |
| | ,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference | |
|------------|--------------------------------|----------|------|-------|------------|-------|-------|-----------|---------|--------|-----------|----------|
| | | | | | Analyzed | Batch | Batch | | Limit | | | Initials |
| 708668 | SBI002:HMW13D:G091901:523 | | | | | | | | | | | |
| | ICPMS TOTAL METALS | Complete | | | 10/04/2001 | | 2586 | Complete | ekh | SW | 6020 | |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW | 6020 | |
| | Barium, ICPMS | 0.138 | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW | 6020 | |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW | 6020 | |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW | 6020 | |
| | Lead, ICPMS | 0.0077 | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW | 6020 | |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW | 7470A | |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW | 7740 | |
| | Silver, ICPMS | <0.0005 | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW | 6020 | |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | SW | 3010A | |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 754 | | Complete | mrt | SW | 3020A | |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW | 7470A | |
| | VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/25/2001 | | 3604 | Complete | dmg | | | |
| | Acetone | <20.0 | | ug/L | 09/25/2001 | | 3604 | <20.0 | dmg | SW | 8260B | |
| | Benzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |
| | n-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |
| | Bromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |
| | Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |
| | Bromoform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |
| | Bromobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW | 8260B | |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW | 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708668 | SBI002:HMW13D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 12:50 |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | 8.9 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | 8.1 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | | |
| 708668 | SBI002:HMW13D:G091901:523 | | | | | | | | | | 09/19/2001 12:50 |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | 3604 | 3604 | <12.5 | dmg | SW 8260B | |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | 3604 | 3604 | <12.5 | dmg | SW 8260B | |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | Tetrachloroethene | 290 | | ug/L | 09/25/2001 | 3604 | 3604 | <10 | dmg | SW 8260B | |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | Trichloroethene | 386 | | ug/L | 09/25/2001 | 3604 | 3604 | <10 | dmg | SW 8260B | |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |
| | Vinyl Acetate | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B | |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708668 | SBI002:HMW13D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 12:50 |
| | Xylenes | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 103 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 100 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 99 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 108 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| 708669 | SBI002:MW13D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:00 |
| | ICPMS TOTAL METALS | Complete | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| | Barium, ICPMS | 0.0752 | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| | Chromium, ICPMS (0.005) | <0.0050 | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| | Lead, ICPMS | 0.0040 | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method | Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | | |
| 708669 | SBI002:MW13D:G091901:523 | | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:00 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B | |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B | |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B | |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B | |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B | |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708669 | SBI002:MW13D:G091901:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/19/2001 13:00 |
| | Tetrachloroethene | 143 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 101 | | ‡ | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 100 | | ‡ | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 102 | | ‡ | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 99 | | ‡ | 09/25/2001 | | 3604 | | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708670 | SBI002:HMW14S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 11:45 |
| Prep, Base Neutral | Complete | | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; S |
| Prep, Acid Extractable | Complete | | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, PCBs Aqueous 8082 | Complete | | | | 09/25/2001 | 69 | | Complete | eap | SW 3510C; SW 3520C |
| Prep, TPH - 418.1 aq | Complete | | | | 09/28/2001 | 605 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3604 | Complete | dmg | |
| Acetone | <20.0 | | | ug/L | 09/25/2001 | | 3604 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Chloroethane | <5.0 | | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Chloroform | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Chloromethane | <5.0 | | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|---------------------------|--------|------|------------|----------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708670 | SBI002:HMW14S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 11:45 |
| 4-Methyl-2-pentanone (MIBK) | <12.5 | ug/L | | 09/25/2001 | 3604 | <12.5 | dmg | SW 8260B | | |
| n-Propylbenzene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Styrene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Naphthalene | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| 1,1,1,2-Tetrachloroethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,1,2,2-Tetrachloroethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Tetrachloroethene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Toluene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,2,4-Trichlorobenzene | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| 1,1,1-Trichloroethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,1,2-Trichloroethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Trichloroethene | 2.5 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Trichlorofluoromethane | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,2,3-Trichloropropane | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| 1,2,4-Trimethylbenzene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| 1,3,5-Trimethylbenzene | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Vinyl Acetate | <5.0 | ug/L | | 09/25/2001 | 3604 | <5.0 | dmg | SW 8260B | | |
| Vinyl Chloride | 4.1 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| Xylenes | <1.0 | ug/L | | 09/25/2001 | 3604 | <1.0 | dmg | SW 8260B | | |
| d4-1,2-Dichloroethane (surr) | 102 | % | | 09/25/2001 | 3604 | | dmg | SW 8260B | | |
| Dibromofluoromethane (surr) | 99 | % | | 09/25/2001 | 3604 | | dmg | SW 8260B | | |
| d8-Toluene (surr) | 100 | % | | 09/25/2001 | 3604 | | dmg | SW 8260B | | |
| Bromofluorobenzene (surr) | 100 | % | | 09/25/2001 | 3604 | | dmg | SW 8260B | | |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | <10 | ug/L | | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 708670 | SBI002:HMW14S:G091901:523 | | | | | | | | | | 09/19/2001 11:45 |
| | Di-n-octylphthalate | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Fluoranthene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Fluorene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Hexachlorobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/29/2001 | 1279 | 2710 | <20 | jcs | SW 8270C | |
| | Hexachloroethane | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Isophorone | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Naphthalene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Nitrobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Phenanthrene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Pyrene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Surrogate: d5-Nitrobenzene | 92 | | µ | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: 2-Fluorobiphenyl | 93 | | µ | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: d14-Terphenyl | 60 | | µ | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/29/2001 | 1279 | 2710 | <50 | jcs | SW 8270C | |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Chlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708670 | SBI002:HMW14S:G091901:523 | | | | | | | | | |
| | Methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/29/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 74 | | † | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 69 | | † | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 73 | | † | 09/29/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | PCB's M 8082: Aqueous | | | | | | | | | |
| | Aroclor 1016 | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| | Aroclor 1221 | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| | Aroclor 1232 | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| | Aroclor 1242 | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| | Aroclor 1248 | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| | Aroclor 1254 | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| | Aroclor 1260 | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| | Surrogate:DCB/TCX | 61/35 | | † | 09/28/2001 | 69 | 128 | | mrh | SW 8082 |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/28/2001 | 605 | 726 | <0.2 | 260 | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|----------------------------|----------|------|-------|------------|-------|-------|-----------|---------|--------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708671 | SBI002:HMW14S:G091901D:523 | | | | | | | | | |
| | Prep, PCBs Aqueous 8082 | Complete | | | 09/25/2001 | 69 | | Complete | eap | SW 3510C; SW 3520C |
| | Prep, TPH - 418.1 aq | Complete | | | 09/28/2001 | 605 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/25/2001 | | 3604 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/25/2001 | | 3604 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708671 | SBI002:HMW14S:G091901D:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 11:45 |
| Styrene | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/25/2001 | 3604 | | <5.0 | dmg | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/25/2001 | 3604 | | <5.0 | dmg | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| Trichloroethene | | 2.6 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/25/2001 | 3604 | | <5.0 | dmg | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/25/2001 | 3604 | | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | 4.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/25/2001 | 3604 | | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 103 | | % | 09/25/2001 | 3604 | | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 100 | | % | 09/25/2001 | 3604 | | | dmg | SW 8260B |
| d8-Toluene (surr) | | 98 | | % | 09/25/2001 | 3604 | | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 100 | | % | 09/25/2001 | 3604 | | | dmg | SW 8260B |
| PCB's M 8082. Aqueous | | | | | | | | | | |
| Aroclor 1016 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrp | SW 8082 |
| Aroclor 1221 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrp | SW 8082 |
| Aroclor 1232 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrp | SW 8082 |
| Aroclor 1242 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrp | SW 8082 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------|----------------------------|--------|------|-------|------------|-------|-------|-----------|---------|------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708671 | SBI002:HMW14S:G091901D:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/19/2001 11:45 |
| Aroclor 1248 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1254 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1260 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Surrogate:DCB/TCX | | 62/39 | | % | 09/28/2001 | 69 | 128 | | mrh | SW 8082 |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 09/28/2001 | 605 | 726 | <0.2 | 260 | EPA 418.1 |

SAMPLE NO. 708672 **SAMPLE DESCRIPTION** SBI002:HMW15S:G091901:523 **DATE/TIME TAKEN** 09/19/2001 10:40

| | | | | | | | | | | |
|------------------------|----------|--|--|--|------------|------|--|----------|-----|-----------------------------|
| Prep, Base Neutral | Complete | | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | | | | 09/28/2001 | 605 | | Complete | 260 | EPA 418.1 |

VOLATILE COMPOUNDS - 8260 (AQ)

| | | | | | | | | | | |
|----------------------|----------|--|--|------|------------|--|------|----------|-----|----------|
| 8260 - SW846 (AQ) | Complete | | | | 09/25/2001 | | 3604 | Complete | dmg | |
| Acetone | <20.0 | | | ug/L | 09/25/2001 | | 3604 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708672 | SBI002:HMW15S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 10:40 |
| | 3-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | 3604 | 3604 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | 3604 | 3604 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | 7.4 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708672 | SBI002:HMW15S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 10:40 |
| | Chrysene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/28/2001 | 1279 | 2710 | <20 | jcs | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|--------------------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708672 | SBI002:HMW15S:G091901:523 | | | | | | | | | |
| | Surrogate: d5-Nitrobenzene | 76 | % | | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 79 | % | | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: d14-Terphenyl | 49 | % | | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 59 | % | | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 58 | % | | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 63 | % | | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/28/2001 | 605 | 726 | <0.2 | 260 | EPA 418.1 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | | |
| 708673 | SBI002:HMW15D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 10:48 |
| | ep, Base Neutral | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/28/2001 | 605 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/25/2001 | | 3604 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/25/2001 | | 3604 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 708673 | SBI002:HMW15D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 10:48 |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | 2.7 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708673 | SBI002:HMW15D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 10:48 |
| | meta & para-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 64 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 71 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 80 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/28/2001 | 605 | 726 | <0.2 | 260 | EPA 418.1 |

SAMPLE NO. 708674 **SAMPLE DESCRIPTION** SBI002:HMW27S:G091901:523 **DATE/TIME TAKEN** 09/19/2001 08:20

| | | | | | | | | | | |
|-------------------------|----------|--|------|--|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.144 | | mg/L | | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | 0.783 | | mg/L | | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | 0.0033 | | mg/L | | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | 0.0400 | | mg/L | | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | 0.240 | | mg/L | | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | 0.0003 | | mg/L | | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | mg/L | | 09/28/2001 | 754 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | mg/L | | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-----------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708674 | SBI002:HMW27S:G091901:523 | | | | | | | | | |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 754 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/26/2001 | 1279 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, TPH - 418.1 aq | Complete | | | 09/28/2001 | 605 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/25/2001 | | 3604 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/25/2001 | | 3604 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708674 | SBI002:HMW27S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 08:20 |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/25/2001 | 3604 | 3604 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708674 | SBI002:HMW27S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 08:20 |
| | Ethylene Chloride | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | 136 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | 2.2 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | 3.2 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 104 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 102 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 97 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 100 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708674 | SBI002:HMW27S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 08:20 |
| BASE NEUTRAL COMP. (AQ) | 8270 | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo (a) anthracene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo (b) fluoranthene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo (k) fluoranthene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzo (a) pyrene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis (2-Chloroethyl) ether | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis (2-Chloroethoxy) methane | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| bis (2-Ethylhexyl) phthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,2'-oxybis (1-Chloropropane) | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Chrysene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dibenzo (a, h) anthracene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708674 | SBI002:HMW27S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 08:20 |
| | 1-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/28/2001 | 1279 | 2710 | <20 | jcs | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 67 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 71 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: d14-Terphenyl | 41 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep Batch Number | Run Batch Number | Reporting Limit | Analyst Initials | Method Reference | DATE/TIME TAKEN |
|------------|----------------------------|--------|------|-------|---------------|-------------------|------------------|-----------------|------------------|------------------|------------------|
| | | | | | | | | | | | |
| 708674 | SBI002:HMW27S:G091901:523 | | | | | | | | | | 09/19/2001 08:20 |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | meta & para-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Nitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Pentachlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Phenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Surrogate: d6-Phenol | 30 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: 2-Fluorophenol | 29 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: Tribromophenol | 25 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 10/03/2001 | | 88 | <1 | meh | SW 8015M | |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/28/2001 | 605 | 726 | <0.2 | 260 | EPA 418.1 | |

SAMPLE NO. 708675 **SAMPLE DESCRIPTION** SBI002:HMW18S:G091901:523 **DATE/TIME TAKEN** 09/19/2001 09:40

| | | | | | | |
|------------------------|----------|------------|------|----------|-----|-----------------------------|
| Prep, Base Neutral | Complete | 09/26/2001 | 1279 | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | 09/26/2001 | 1279 | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | 09/28/2001 | 605 | Complete | 260 | EPA 418.1 |
| Prep, TPH DRO Aqueous | Complete | 09/25/2001 | 125 | Complete | mem | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708675 | SBI002:HMW18S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 09:40 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/25/2001 | | 3604 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/25/2001 | | 3604 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/25/2001 | | 3604 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting | Analyst | Method | Reference |
|------------------------------|------------------------------|--------|------|-------|---------------|-------|-------|-----------|---------|--------|-------------------------------------|
| | | | | | | Batch | Batch | | | | |
| 708675 | SBI002:HMW18S:G091901:523 | | | | | | | | | | DATE/TIME TAKEN 09/19/2001 09:40 |
| | 1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | Tetrachloroethene | 36.4 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | Toluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW | 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | Trichloroethene | 13.1 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW | 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW | 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | Xylenes | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW | 8260B |
| | d4-1,2-Dichloroethane (surr) | 105 | | % | 09/25/2001 | 3604 | 3604 | | dmg | SW | 8260B |
| | Dibromofluoromethane (surr) | 101 | | % | 09/25/2001 | 3604 | 3604 | | dmg | SW | 8260B |
| | d8-Toluene (surr) | 101 | | % | 09/25/2001 | 3604 | 3604 | | dmg | SW | 8260B |
| | Bromofluorobenzene (surr) | 102 | | % | 09/25/2001 | 3604 | 3604 | | dmg | SW | 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW | 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW | 8270C |
| | Anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW | 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW | 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW | 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW | 8270C |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708675 | SBI002:HMW18S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 09:40 |
| | Benzo(a)pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethyl) ether | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 4-Bromophenyl phenyl ether | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 4-Chloroaniline | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2-Chloronaphthalene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Chrysene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dibenzo(a,h)anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dibenzofuran | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,2-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,3-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 1,4-Dichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 3,3'-Dichlorobenzidine | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| | Diethyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Dimethyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,6-Dinitrotoluene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Di-n-octylphthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference | |
|------------|-----------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|------------------|--|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | | |
| 708675 | SBI002:HMW18S:G091901:523 | | | | | | | | | | |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/28/2001 | 1279 | 2710 | <20 | jcs | SW 8270C | |
| | Hexachloroethane | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Isophorone | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Naphthalene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Nitrobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Phenanthrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Surrogate: d5-Nitrobenzene | 83 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: 2-Fluorobiphenyl | 82 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | Surrogate: d14-Terphenyl | 49 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C | |
| | ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C | |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Chlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | meta & para-Methylphenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | 2-Nitrophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Pentachlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |
| | Phenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708675 | SBI002:HMW18S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 09:40 |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Surrogate: d6-Phenol | 0 | note | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: 2-Fluorophenol | 0 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | Surrogate: Tribromophenol | 0 | | % | 09/28/2001 | 1279 | 2710 | | jcs | SW 8270C |
| | TPH - DRO AQUEOUS | <1 | | mg/L | 09/27/2001 | 125 | 214 | <1 | meb | SW 8015M |
| | TPH - Method 418.1 (AQ) | <0.2 | | mg/L | 09/28/2001 | 605 | 726 | <0.2 | 260 | EPA 418.1 |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|---------------------------|------------------|
| 708676 | SBI002:HMW34S:G091901:523 | 09/19/2001 10:00 |

| | | | | | | |
|------------------------|----------|------------|------|----------|-----|-----------------------------|
| Prep, Base Neutral | Complete | 09/26/2001 | 1279 | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | 09/26/2001 | 1279 | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, TPH - 418.1 aq | Complete | 09/28/2001 | 605 | Complete | 260 | EPA 418.1 |
| Prep, TPH DRO Aqueous | Complete | 09/25/2001 | 125 | Complete | mem | |

VOLATILE COMPOUNDS - 8260 (AQ)

| | | | | | | |
|-------------------|----------|------------|------------|----------|-------|--------------|
| 8260 - SW846 (AQ) | Complete | 09/25/2001 | 3604 | Complete | dmg | |
| Acetone | <20.0 | ug/L | 09/25/2001 | 3604 | <20.0 | dmg SW 8260B |
| Benzene | <1.0 | ug/L | 09/25/2001 | 3604 | <1.0 | dmg SW 8260B |
| tert-Butylbenzene | <1.0 | ug/L | 09/25/2001 | 3604 | <1.0 | dmg SW 8260B |
| sec-Butylbenzene | <1.0 | ug/L | 09/25/2001 | 3604 | <1.0 | dmg SW 8260B |
| n-Butylbenzene | <1.0 | ug/L | 09/25/2001 | 3604 | <1.0 | dmg SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708676 | SBI002:HMW34S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 10:00 |
| | Monochloromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/25/2001 | 3604 | 3604 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | 1.1 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/25/2001 | 3604 | 3604 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708676 | SBI002:HMW34S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 10:00 |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/25/2001 | | 3604 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/25/2001 | | 3604 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 104 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 100 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 101 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 100 | | % | 09/25/2001 | | 3604 | | dmg | SW 8260B |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Acenaphthylene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzo(a)anthracene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzo(b)fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzo(k)fluoranthene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzo(a)pyrene | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzyl alcohol | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | Benzyl butyl phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethyl)ether | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Chloroethoxy)methane | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | bis(2-Ethylhexyl)phthalate | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| | 2,2'-oxybis(1-Chloropropane) | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17466

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|----------------------------|---------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708676 | SBI002:HMW34S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 10:00 |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 4-Chloroaniline | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Chrysene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dibenzo(a,h)anthracene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/28/2001 | 1279 | 2710 | <50 | jcs | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/28/2001 | 1279 | 2710 | <20 | jcs | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/28/2001 | 1279 | 2710 | <10 | jcs | SW 8270C |

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QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.17466

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

NOTES AND COMMENTS

TestAmerica Job Number: 1.17466

Sample Number: 708665-708676 (Run batch 3604)

Analysis: 8260 Volatiles

An LCS/LCS Duplicate was analyzed in this run batch because inadequate sample was provided to perform an MS/MSD.

Sample Number: 708665

Analysis: 8270 BNA

The surrogate, 2,4,6-tribromophenol, was below the recommended % recovery criteria.

Sample Number: 708675

Analysis: 8270 BNA

The acid-fraction surrogates were diluted below their reporting limits. Hold times for sample re-extraction had expired.

1.17466

CHAIN OF CUSTODY RECORD



Hull & Associates, Inc.

Dublin
 6150 Vincoo Road
 Dublin, Ohio 43016
 Phone: (614)385-8777
 FAX: (614)385-9070

Toledo
 3401 Glendale Avenue
 SUITE 300
 Toledo, Ohio 43614
 Phone: (419)385-2018
 FAX: (419)385-5489

Mason
 4700 Duke Drive, Suite 172
 Mason, Ohio 45040
 Phone: (513)459-9677
 FAX: (513)459-9869

Warrensville Heights
 4949 Galaxy Parkway, Suite 5
 Warrensville Heights, Ohio 44128
 Phone: (216)514-7100
 FAX: (216)514-7104

REPORT TO: Kevin Wildman

Client: South Bend Area A

Site: Area A

Project#: SBI007 Phase: D.I.TST

Samplers: Sam Heath

| PRESERVATIVES | ANALYSES |
|---------------|----------|
| G | G |
| C | C |
| A | A |
| B | B |

SAMPLE TYPES:
 AIR
 ASBESTOS
 SEDIMENT
 GROUNDWATER
 PRODUCT
 WATER
 OTHERS

PRESERVATIVES:
 A - Cool only, <4° C
 B - HNO₃ pH<2
 C - H₂O₂ pH<2
 D - NaOH pH>12
 E - Znacetate + NaOH, pH>9
 F - Na₂S₂O₅ (0.008%)
 G - HCl pH<2

METALS:
 F - FILTERED
 B - BOTH

| PROJECT NO. | SAMPLE LOCATION | SAMPLE TYPE | SAMPLER ID | NO. OF METALS CONT. | SAMPLING DATE/TIME | VOC'S | TRH | DRG | 5VOC | PCB'S | COMMENTS |
|-------------|-----------------|-------------|------------|---------------------|--------------------|-------|-----|-----|------|-------|----------|
| SBI007 | Hmw255:G09190 | | :523 | 7 | 9-19-01 7:25 | X | X | X | X | X | |
| SBI007 | Hmw265:G09194 | | :523 | 5 | 9-19-01 7:55 | X | X | X | X | X | |
| SBI007 | Hmw275:G09190 | | :523 | 8 | 9-19-01 8:20 | X | X | X | X | X | |
| SBI007 | Hmw185:G09196 | | :523 | 6 | 9-19-01 9:40 | X | X | X | X | X | |
| SBI007 | Hmw345:G09190 | | :523 | 6 | 9-19-01 10:00 | X | X | X | X | X | |
| SBI007 | Hmw155:G09190 | | :523 | 5 | 9-19-01 10:40 | X | X | X | X | X | |
| SBI007 | Hmw15D:G09190 | | :523 | 5 | 9-19-01 10:48 | X | X | X | X | X | |
| SBI007 | Hmw145:G09190 | | :523 | 6 | 9-19-01 11:45 | X | X | X | X | X | |
| SBI007 | Hmw145:G09190 | | :523 | 6 | 9-19-01 11:45 | X | X | X | X | X | |
| SBI007 | Mw135:G09190 | | :523 | 3 | 9-19-01 12:40 | X | X | X | X | X | |
| SBI007 | Hmw13D:G09190 | | :523 | 3 | 9-19-01 12:50 | X | X | X | X | X | |
| SBI007 | Mw13D:G09190 | | :523 | 3 | 9-19-01 13:00 | X | X | X | X | X | |

RELINQUISHED BY: Sam Heath DATE: 9-19-01 TIME: 17:00
 RECEIVED BY: Matt Young DATE: 9-20-01 TIME: 13:00
 RELINQUISHED BY: Matt Young DATE: 9-20-01 TIME: 13:00
 RECEIVED BY: Fed Ex DATE: 9-21-01 TIME: 9:30 am
 RELINQUISHED BY: Kevin Wildman DATE: 9-21-01 TIME: 9:30 am
 RECEIVED BY: Fed Ex DATE: 9-21-01 TIME: 9:30 am

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

COOLER TEMPERATURE AS RECEIVED °C: 4°C

Deliver To: Rec Test America
 Method of Delivery: Fed Ex
 Airbill Number: _____
 NOTES: _____
 TURN AROUND TIME: 5TB DAYS

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Enclosed is the analytical report for the following samples submitted to the Dayton Division of TestAmerica, Inc. for analysis:

| <u>Sample Number</u> | <u>Sample Description</u> | <u>Date Taken</u> | <u>Date Received</u> |
|----------------------|---------------------------|-------------------|----------------------|
| 708698 | SBI002:FB1:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708699 | SBI002:HMW6S:G092001D:523 | 09/20/2001 | 09/21/2001 |
| 708700 | SBI002:HMW12S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708701 | SBI002:HMW33D:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708702 | SBI002:HMW33S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708703 | SBI002:HMW21D:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708704 | SBI002:MW30D:G092001:523 | 09/20/2001 | 09/21/2001 |
| 708705 | SBI002:TB1:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708706 | SBI002:HMW9I:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708707 | SBI002:HMW9S:G091901:523 | 09/19/2001 | 09/21/2001 |
| 708708 | SBI002:HMW9D:G091901:523 | 09/19/2001 | 09/21/2001 |

TestAmerica, Inc. certifies that the analytical results contained herein apply only to the specific samples analyzed.

Reproduction of this analytical report is permitted only in its entirety.

Enclosure


 Approved By

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708698 | SBI002:FB1:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 17:00 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | <0.0050 | | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | <0.0010 | | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 755 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 755 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| Prep, Base Neutral | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, PCBs Aqueous 8082 | Complete | | | | 09/25/2001 | 69 | | Complete | eap | SW 3510C; SW 3520C |
| Prep, TPH - 418.1 aq | Complete | | | | 09/27/2001 | 604 | | Complete | 260 | EPA 418.1 |
| Prep, TPH DRO Aqueous | Complete | | | | 09/25/2001 | 125 | | Complete | mem | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3605 | Complete | dmg | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | | 3605 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 708698 | SBI002:FB1:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 17:00 |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | | 3605 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708698 | SBI002:FB1:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 17:00 |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3605 | 3605 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3605 | 3605 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708698 | SBI002:FB1:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 17:00 |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 103 | | ‡ | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 100 | | ‡ | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 99 | | ‡ | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 100 | | ‡ | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo (a) anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo (b) fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo (k) fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzo (a) pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl alcohol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Benzyl butyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis (2-Chloroethyl) ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis (2-Chloroethoxy) methane | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| bis (2-Ethylhexyl) phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,2'-oxybis (1-Chloropropane) | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 4-Bromophenyl phenyl ether | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|---------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708698 | SBI002:FB1:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 17:00 |
| 4-Chloroaniline | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chloronaphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Chrysene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dibenzo(a,h)anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dibenzofuran | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,3-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,4-Dichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 3,3'-Dichlorobenzidine | | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| Diethyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Dimethyl phthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dinitrotoluene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,6-Dinitrotoluene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Di-n-octylphthalate | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Fluoranthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Fluorene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/27/2001 | 1277 | 2705 | <20 | dmg | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-------------------------|------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708698 | SBI002:FB1:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 17:00 |
| Aroclor 1232 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1242 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1248 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1254 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Aroclor 1260 | | <0.20 | | ug/L | 09/28/2001 | 69 | 128 | <0.20 | mrh | SW 8082 |
| Surrogate:DCB/TCX | | 76/55 | | % | 09/28/2001 | 69 | 128 | | mrh | SW 8082 |
| TPH - DRO AQUEOUS | | <1 | | mg/L | 09/27/2001 | 125 | 214 | <1 | meb | SW 8015M |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 10/03/2001 | | 88 | <1 | meb | SW 8015M |
| TPH - Method 418.1 (AQ) | | <0.2 | | mg/L | 09/28/2001 | 604 | 725 | <0.2 | 260 | EPA 418.1 |

SAMPLE NO. 708699 **SAMPLE DESCRIPTION** SBI002:HMW6S:G092001D:523 **DATE/TIME TAKEN** 09/20/2001 07:40

| | | | | | | | | | | |
|-------------------------|----------|--|--|------|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.0442 | | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | 0.192 | | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | 0.0399 | | | mg/L | 10/04/2001 | 1851 | 3997 | <0.0050 | ekh | SW 6020 |
| Lead, ICPMS | 0.0718 | | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 755 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708699 | SBI002:HMW6S:G092001D:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:40 |
| | Reagents Digestion, GFAA | Complete | | | 09/26/2001 | 755 | Complete | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | Complete | Complete | epk | SW 7470A |
| | Prep, Base Neutral | Complete | | | 09/24/2001 | 1277 | Complete | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | Prep, Acid Extractable | Complete | | | 09/24/2001 | 1277 | Complete | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | 3605 | Complete | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | 3605 | <20.0 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | 3605 | <12.5 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
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 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708699 | SBI002:HMW6S:G092001D:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:40 |
| | Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3605 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | 4.5 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 104 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 101 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 99 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 97 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | BASE NEUTRAL COMP. (AQ) 8270 | | | | | | | | | |
| | Acenaphthene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting Analyst | Initials | Method Reference |
|--------------------------|-----------------------------|--------|------|-------|------------|--------------|--------------|-------------------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | | | |
| 708699 | SBI002:HMW6S:G092001D:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:40 |
| | Di-n-octylphthalate | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Fluoranthene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Fluorene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Hexachlorobenzene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Hexachloro-1,3-butadiene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Hexachlorocyclopentadiene | <20 | | ug/L | 09/28/2001 | 1277 | 2712 | <20 | jrw | SW 8270C |
| | Hexachloroethane | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Indeno(1,2,3-cd)pyrene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Isophorone | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Naphthalene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Nitrobenzene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | N-Nitrosodi-n-propylamine | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Phenanthrene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Pyrene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 1,2,4-Trichlorobenzene | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Surrogate: d5-Nitrobenzene | 103 | | % | 09/28/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorobiphenyl | 60 | | % | 09/28/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: d14-Terphenyl | 73 | | % | 09/28/2001 | 1277 | 2712 | | jrw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| | Benzoic acid | <50 | | ug/L | 09/28/2001 | 1277 | 2712 | <50 | jrw | SW 8270C |
| | 4-Chloro-3-methylphenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2-Chlorophenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4-Dichlorophenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4-Dimethylphenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2-Methyl-4,6-dinitrophenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708699 | SBI002:HMW6S:G092001D:523 | | | | | | | | | DATE/TIME TAKEN 09/20/2001 07:40 |
| | 2-Methylphenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | meta & para-Methylphenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2-Nitrophenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Phenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/28/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 86 | | % | 09/28/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 79 | | % | 09/28/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 39 | note | % | 09/28/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 10/03/2001 | | 88 | <1 | meh | SW 8015M |

SAMPLE NO. 708700 **SAMPLE DESCRIPTION SBI002:HMW12S:G091901:523** **DATE/TIME TAKEN 09/19/2001 13:30**

| | | | | | | | | | | |
|-------------------------|----------|--|--|------|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.0467 | | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | 0.154 | | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | 0.0195 | | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 755 | 579 | <0.0050 | lnh | SW 7740 |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708700 | SBI002:HMW12S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:30 |
| | silver, ICPMS | <0.0005 | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 755 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3605 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3605 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | | 3605 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Chloroform | 2.2 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708700 | SBI002:HMW12S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:30 |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | 2.4 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | 5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | 3605 | 3605 | <12.5 | dmg | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708700 | SBI002:HMW12S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:30 |
| | m-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3605 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | 52.1 | | ug/L | 09/26/2001 | | 3608 | <10 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | 29.6 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 103 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 100 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 100 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 100 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 10/03/2001 | | 88 | <1 | meb | SW 8015M |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708701 | SBI002:HMW33D:G091901:523 | | | | | | | | | |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | | Complete | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| | Arsenic, ICPMS | 0.0111 | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| | Barium, ICPMS | 0.116 | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| | Cadmium, ICPMS | <0.0010 | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| | Chromium, ICPMS (0.005) | 0.0088 | | mg/L | 10/04/2001 | 1851 | 3997 | <0.0050 | ekh | SW 6020 |
| | Lead, ICPMS | 0.0129 | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| | Mercury, CVAA | <0.0002 | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| | Selenium, GFAA | <0.0050 | | mg/L | 09/28/2001 | 755 | 579 | <0.0050 | lnh | SW 7740 |
| | Silver, ICPMS | <0.0005 | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| | Metals Digestion, ICPMS | Complete | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| | Metals Digestion, GFAA | Complete | | | 09/26/2001 | 755 | | Complete | mrt | SW 3020A |
| | Manual Mercury Digestion | Complete | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | | 3608 | Complete | dmg | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708701 | SBI002:HMW33D:G091901:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| | | | | | | | | | | 09/19/2001 13:50 |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | 3608 | | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708701 | SBI002:HMW33D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:50 |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | 3608 | 3608 | <12.5 | dmg | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | 3608 | 3608 | <12.5 | dmg | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Tetrachloroethene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| 1,1,1-Trichloroethane | | 4.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|----------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708701 | SBI002:HMW33D:G091901:523 | | | | | | | | | |
| | | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:50 |

| | | | | | | | | | |
|------------------------------|------|------|--|------------|--|------|------|-----|----------|
| xylenes | <1.0 | ug/L | | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | 105 | ‡ | | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | 102 | ‡ | | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| d8-Toluene (surr) | 98 | ‡ | | 09/26/2001 | | 3608 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | 102 | ‡ | | 09/26/2001 | | 3608 | | dmg | SW 8260B |

| SAMPLE NO. | SAMPLE DESCRIPTION | DATE/TIME TAKEN |
|------------|---------------------------|------------------|
| 708702 | SBI002:HMW33S:G091901:523 | 09/19/2001 13:45 |

| | | | | | | | | |
|--------------------------|----------|------|------------|------|------|----------|-----|----------|
| ICPMS TOTAL METALS | Complete | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | 0.0053 | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | 0.100 | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | <0.0010 | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | 0.132 | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | mg/L | 09/28/2001 | 755 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | 09/26/2001 | 755 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |

VOLATILE COMPOUNDS - 8260 (AQ)

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|---------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708702 | SBI002:HMW33S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:45 |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | | 3608 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| 708702 | SBI002:HMW33S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:45 |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708702 | SBI002:HMW33S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 13:45 |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | | ug/L | 09/26/2001 | 3608 | 3608 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 108 | | % | 09/26/2001 | 3608 | 3608 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 103 | | % | 09/26/2001 | 3608 | 3608 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 98 | | % | 09/26/2001 | 3608 | 3608 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 104 | | % | 09/26/2001 | 3608 | 3608 | | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|-----------------------------|----------|------|-------|------------|-------|----------|-----------|---------|------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708703 | SBI002:HMW21D:G091901:523 | | | | | | | | | |
| | ep, TPH - 418.1 aq | Complete | | | 09/27/2001 | 604 | | Complete | 260 | EPA 418.1 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| | 8260 - SW846 (AQ) | Complete | | | 09/26/2001 | 3605 | Complete | dmg | | |
| | Acetone | <20.0 | | ug/L | 09/26/2001 | 3605 | <20.0 | dmg | | SW 8260B |
| | Benzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | tert-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | sec-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | n-Butylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Bromochloromethane | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Bromodichloromethane | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Bromoform | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Bromobenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | 2-Butanone (MEK) | <12.5 | | ug/L | 09/26/2001 | 3605 | <12.5 | dmg | | SW 8260B |
| | Carbon disulfide | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | dmg | | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | dmg | | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | dmg | | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Analyst | Method Reference |
|-----------------------------|---------------------------|--------|------|-------|---------------|--------------|--------------|-------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | |
| 708703 | SBI002:HMW21D:G091901:523 | | | | | | | | DATE/TIME TAKEN 09/19/2001 14:00 |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| Ethylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | dmg | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | dmg | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | 3605 | <12.5 | dmg | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | dmg | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | dmg | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | 3605 | <5.0 | dmg | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | 3605 | <12.5 | dmg | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|---------------|--------------|--------------|-----------------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708704 | SBI002:MW30D:G092001:523 | | | | | | | | | |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | 3605 | 3605 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | 3605 | 3605 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference | DATE/TIME TAKEN |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | | |
| 708704 | SBI002:MW30D:G092001:523 | | | | | | | | | | 09/20/2001 12:30 |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B | |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B | |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | 3605 | 3605 | <12.5 | dmg | SW 8260B | |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B | |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B | |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B | |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | 3605 | 3605 | <12.5 | dmg | SW 8260B | |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | Styrene | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |
| | Naphthalene | <5.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <5.0 | dmg | SW 8260B | |
| | 1,1,1,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | 3605 | 3605 | <1.0 | dmg | SW 8260B | |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|------------------------|----------|------|-------|------------|-------|-------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708705 | SBI002:TB1:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | | 3605 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | | 3605 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | SSR | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | | 3605 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | MSR | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 1,2-Dibromo-3-chloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| 1,2-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 1,3-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|------------------------|--------|------|-------|------------|--------|--------|-----------|----------|------------------|
| | | | | | Analyzed | Batch | Batch | | Initials | |
| | | | | | | Number | Number | Limit | | |
| | | | | | | | | | | DATE/TIME TAKEN |
| 708705 | SBI002:TB1:G091901:523 | | | | | | | | | 09/19/2001 |
| 1,4-Dichlorobenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| 1,2-Dichloroethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| 1,1-Dichloroethene | | <1.0 | MSR | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| cis-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| trans-1,2-Dichloroethene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| 1,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| 1,3-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| 2,2-Dichloropropane | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| 1,1-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| cis-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| trans-1,3-Dichloropropene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| Ethylbenzene | | <1.0 | MSR | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| Hexachlorobutadiene | | <5.0 | | ug/L | 09/26/2001 | 3605 | | <5.0 | dmg | SW 8260B |
| n-Hexane | | <5.0 | | ug/L | 09/26/2001 | 3605 | | <5.0 | dmg | SW 8260B |
| 2-Hexanone | | <12.5 | | ug/L | 09/26/2001 | 3605 | | <12.5 | dmg | SW 8260B |
| Isopropylbenzene (Cumene) | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| p-Isopropyltoluene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| Bromomethane | | <5.0 | | ug/L | 09/26/2001 | 3605 | | <5.0 | dmg | SW 8260B |
| Methylene Chloride | | <5.0 | | ug/L | 09/26/2001 | 3605 | | <5.0 | dmg | SW 8260B |
| Methyl t-butyl ether (MTBE) | | <5.0 | | ug/L | 09/26/2001 | 3605 | | <5.0 | dmg | SW 8260B |
| 4-Methyl-2-pentanone (MIBK) | | <12.5 | | ug/L | 09/26/2001 | 3605 | | <12.5 | dmg | SW 8260B |
| n-Propylbenzene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | 3605 | | <5.0 | dmg | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | 3605 | | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|------------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708705 | SBI002:TB1:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 |
| | 1,1,2,2-Tetrachloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Tetrachloroethene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Toluene | <1.0 | MSR | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2,4-Trichlorobenzene | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,1,1-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1,2-Trichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Trichloroethene | <1.0 | SSR | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Trichlorofluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2,3-Trichloropropane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,2,4-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,3,5-Trimethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Vinyl Acetate | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | Vinyl Chloride | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Xylenes | <1.0 | RPD | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | d4-1,2-Dichloroethane (surr) | 105 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | Dibromofluoromethane (surr) | 102 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | d8-Toluene (surr) | 99 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| | Bromofluorobenzene (surr) | 103 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|----------|------|-------|------------|-------|-------|-----------|---------|-----------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708706 | SBI002:HMW9I:G091901:523 | | | | | | | | | |
| | | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| | | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | | Complete | | | 09/26/2001 | | 3605 | Complete | dmg | |
| Acetone | | <20.0 | | ug/L | 09/26/2001 | | 3605 | <20.0 | dmg | SW 8260B |
| Benzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromoform | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Bromobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | | <12.5 | | ug/L | 09/26/2001 | | 3605 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Carbon tetrachloride | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Chlorobenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Chloroethane | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| 2-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 4-Chlorotoluene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Chloroform | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Chloromethane | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| Dibromochloromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Dibromomethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Dichlorodifluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|-----------------------------|--------|------|-------|------------|-------|-------|-----------|---------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | | Limit | |
| 708706 | SBI002:HMW9I:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 15:40 |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Hexachlorobutadiene | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | n-Hexane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 2-Hexanone | <12.5 | | ug/L | 09/26/2001 | | 3605 | <12.5 | dmg | SW 8260B |
| | Isopropylbenzene (Cumene) | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | p-Isopropyltoluene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| | Bromomethane | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | Methylene Chloride | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | Methyl t-butyl ether (MTBE) | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| | 4-Methyl-2-pentanone (MIBK) | <12.5 | | ug/L | 09/26/2001 | | 3605 | <12.5 | dmg | SW 8260B |
| | n-Propylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708706 | SBI002:HMW9I:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 15:40 |
| Styrene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Naphthalene | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| 1,1,1,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 1,1,2,2-Tetrachloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Tetrachloroethene | | 349 | | ug/L | 09/26/2001 | | 3608 | <10 | dmg | SW 8260B |
| Toluene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 1,2,4-Trichlorobenzene | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| 1,1,1-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 1,1,2-Trichloroethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Trichloroethene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Trichlorofluoromethane | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 1,2,3-Trichloropropane | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| 1,2,4-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| 1,3,5-Trimethylbenzene | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Vinyl Acetate | | <5.0 | | ug/L | 09/26/2001 | | 3605 | <5.0 | dmg | SW 8260B |
| Vinyl Chloride | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 105 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 102 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| d8-Toluene (surr) | | 98 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 100 | | % | 09/26/2001 | | 3605 | | dmg | SW 8260B |
| BASE NEUTRAL COMP. (AQ) | 8270 | | | | | | | | | |
| Acenaphthene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jr | SW 8270C |
| Acenaphthylene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jr | SW 8270C |
| Anthracene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jr | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|------------|--------------|--------------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch Number | Batch Number | Limit | Initials | |
| 708706 | SBI002:HMW9I:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 15:40 |
| Fluorene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Hexachlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Hexachloro-1,3-butadiene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Hexachlorocyclopentadiene | | <20 | | ug/L | 09/27/2001 | 1277 | 2712 | <20 | jrjw | SW 8270C |
| Hexachloroethane | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Indeno(1,2,3-cd)pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Isophorone | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Naphthalene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Nitrobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| N-Nitrosodi-n-propylamine | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Phenanthrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 89 | | µ | 09/27/2001 | 1277 | 2712 | | jrjw | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 79 | | µ | 09/27/2001 | 1277 | 2712 | | jrjw | SW 8270C |
| Surrogate: d14-Terphenyl | | 55 | | µ | 09/27/2001 | 1277 | 2712 | | jrjw | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/27/2001 | 1277 | 2712 | <50 | jrjw | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrjw | SW 8270C |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|------------|---------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708706 | SBI002:HMW9I:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 15:40 |
| | 2-Nitrophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Pentachlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Phenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4,5-Trichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | 2,4,6-Trichlorophenol | <10 | | ug/L | 09/27/2001 | 1277 | 2712 | <10 | jrw | SW 8270C |
| | Surrogate: d6-Phenol | 46 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: 2-Fluorophenol | 35 | | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | Surrogate: Tribromophenol | 18 | note | % | 09/27/2001 | 1277 | 2712 | | jrw | SW 8270C |
| | TPH - GRO (Aqueous) | <1 | | mg/L | 10/03/2001 | | 88 | <1 | meb | SW 8015M |

SAMPLE NO. 708707 **SAMPLE DESCRIPTION SBI002:HMW9S:G091901:523** **DATE/TIME TAKEN 09/19/2001 15:30**

| | | | | | | | | | | |
|--------------------------------|----------|--|--|------|------------|------|------|----------|-----|-----------------------------|
| Prep, Base Neutral | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| Prep, Acid Extractable | Complete | | | | 09/24/2001 | 1277 | | Complete | rec | EPA 625 ; SW 3510C ; SW 352 |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3605 | Complete | dmg | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | | 3605 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3605 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|-----------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708707 | SBI002:HMW9S:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 15:30 |
| Phenanthrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pyrene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 1,2,4-Trichlorobenzene | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d5-Nitrobenzene | | 82 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorobiphenyl | | 86 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: d14-Terphenyl | | 66 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| ACID COMPOUNDS (AQ) 8270 | | | | | | | | | | |
| Benzoic acid | | <50 | | ug/L | 09/27/2001 | 1277 | 2705 | <50 | dmg | SW 8270C |
| 4-Chloro-3-methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Chlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4-Dimethylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methyl-4,6-dinitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| meta & para-Methylphenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2-Nitrophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Pentachlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Phenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,5-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| 2,4,6-Trichlorophenol | | <10 | | ug/L | 09/27/2001 | 1277 | 2705 | <10 | dmg | SW 8270C |
| Surrogate: d6-Phenol | | 62 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: 2-Fluorophenol | | 70 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| Surrogate: Tribromophenol | | 55 | | % | 09/27/2001 | 1277 | 2705 | | dmg | SW 8270C |
| TPH - GRO (Aqueous) | | <1 | | mg/L | 10/03/2001 | | 88 | <1 | meb | SW 8015M |

TestAmerica, Incorporated

ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date | Prep | Run | Reporting | Analyst | Method Reference |
|--------------------------------|--------------------------|--------|------|-------|------------|-------|-------|-----------|----------|-------------------------------------|
| | | | | | Analyzed | Batch | Batch | Limit | Initials | |
| 708708 | SBI002:HMW9D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 16:20 |
| ICPMS TOTAL METALS | | | | | | | | | | |
| | Complete | | | | 10/04/2001 | | 2586 | Complete | ekh | SW 6020 |
| Arsenic, ICPMS | <0.0050 | | | mg/L | 10/03/2001 | 1851 | 3715 | <0.0050 | kmb | SW 6020 |
| Barium, ICPMS | 0.0823 | | | mg/L | 10/04/2001 | 1851 | 3927 | <0.0050 | ekh | SW 6020 |
| Cadmium, ICPMS | 0.0016 | | | mg/L | 10/03/2001 | 1851 | 3594 | <0.0010 | kmb | SW 6020 |
| Chromium, ICPMS (0.005) | <0.0050 | | | mg/L | 10/03/2001 | 1851 | 3992 | <0.0050 | kmb | SW 6020 |
| Lead, ICPMS | 0.0142 | | | mg/L | 10/03/2001 | 1851 | 3672 | <0.0010 | kmb | SW 6020 |
| Mercury, CVAA | <0.0002 | | | mg/L | 09/26/2001 | 1417 | 1363 | <0.0002 | epk | SW 7470A |
| Selenium, GFAA | <0.0050 | | | mg/L | 09/28/2001 | 755 | 579 | <0.0050 | lnh | SW 7740 |
| Silver, ICPMS | <0.0005 | | | mg/L | 10/03/2001 | 1851 | 3929 | <0.0005 | kmb | SW 6020 |
| Metals Digestion, ICPMS | Complete | | | | 09/27/2001 | 1851 | | Complete | clm | SW 3010A |
| Metals Digestion, GFAA | Complete | | | | 09/26/2001 | 755 | | Complete | mrt | SW 3020A |
| Manual Mercury Digestion | Complete | | | | 09/25/2001 | 1417 | | Complete | epk | SW 7470A |
| VOLATILE COMPOUNDS - 8260 (AQ) | | | | | | | | | | |
| 8260 - SW846 (AQ) | Complete | | | | 09/26/2001 | | 3608 | Complete | dmg | |
| Acetone | <20.0 | | | ug/L | 09/26/2001 | | 3608 | <20.0 | dmg | SW 8260B |
| Benzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| tert-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| sec-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| n-Butylbenzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromochloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromodichloromethane | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromoform | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| Bromobenzene | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| 2-Butanone (MEK) | <12.5 | | | ug/L | 09/26/2001 | | 3608 | <12.5 | dmg | SW 8260B |
| Carbon disulfide | <1.0 | | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
 HULL & ASSOC. (Dublin)
 6130 Wilcox Rd.
 Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst Initials | Method Reference |
|------------|-----------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|------------------|-------------------------------------|
| | | | | | | Batch Number | Batch Number | | | |
| 708708 | SBI002:HMW9D:G091901:523 | | | | | | | | | DATE/TIME TAKEN 09/19/2001 16:20 |
| | Carbon tetrachloride | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chloroethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 2-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 4-Chlorotoluene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chloroform | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Chloromethane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | Dibromochloromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Dibromomethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Dichlorodifluoromethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dibromo-3-chloropropane | <5.0 | | ug/L | 09/26/2001 | | 3608 | <5.0 | dmg | SW 8260B |
| | 1,2-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,4-Dichlorobenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloroethane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,2-Dichloroethene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,3-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 2,2-Dichloropropane | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | 1,1-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | cis-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | trans-1,3-Dichloropropene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |
| | Ethylbenzene | <1.0 | | ug/L | 09/26/2001 | | 3608 | <1.0 | dmg | SW 8260B |

TestAmerica, Incorporated

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ANALYTICAL REPORT

Kevin Wildman
HULL & ASSOC. (Dublin)
6130 Wilcox Rd.
Dublin, OH 43016

10/12/2001

Job Number: 01.17471

Client Project ID: South Bend Indiana SBI002

| SAMPLE NO. | SAMPLE DESCRIPTION | Result | Flag | Units | Date Analyzed | Prep | Run | Reporting Limit | Analyst | Method Reference |
|------------------------------|--------------------------|--------|------|-------|---------------|--------------|--------------|-----------------|----------|------------------|
| | | | | | | Batch Number | Batch Number | | Initials | |
| 708708 | SBI002:HMW9D:G091901:523 | | | | | | | | | |
| | | | | | | | | | | |
| Xylenes | | <1.0 | | ug/L | 09/26/2001 | 3608 | | <1.0 | dmg | SW 8260B |
| d4-1,2-Dichloroethane (surr) | | 109 | | † | 09/26/2001 | 3608 | | | dmg | SW 8260B |
| Dibromofluoromethane (surr) | | 104 | | † | 09/26/2001 | 3608 | | | dmg | SW 8260B |
| d8-Toluene (surr) | | 97 | | † | 09/26/2001 | 3608 | | | dmg | SW 8260B |
| Bromofluorobenzene (surr) | | 102 | | † | 09/26/2001 | 3608 | | | dmg | SW 8260B |

DATE/TIME TAKEN
09/19/2001 16:20

QUALITY CONTROL FLAG DEFINITIONS

Job Number: 01.17471

(*) Indicates an out-of-control QC. The analytical data was reported based on other supporting quality control information.

(Note) Indicates to review the notes and comments section of the analytical report as there is additional information concerning this analytical result.

(MS) Indicates that the Matrix Spike (MS) was out of statistical advisory limits.

(MSD) Indicates that the Matrix Spike Duplicate (MSD) was out of statistical advisory limits.

(RPD) Indicates that the Relative Percent Difference (RPD) for the MS/MSD pair was outside of statistical advisory limits.

(SS) Indicates that the MS and MSD were out of statistical advisory limits.

(SSR) Indicates that the MS, MSD and RPD were out of statistical advisory limits.

(MSR) Indicates that the MS and RPD were out of statistical advisory limits.

(MSDR) Indicates that the MSD and RPD were out of statistical advisory limits.

(DL) Indicates that the MS and MSD were diluted out and the percent recoveries of the spikes could not be calculated.

(LS) Indicates that statistical accuracy and precision data is not available for spike concentrations which are $< 1/4$ of the sample amount. Care should be used in interpreting this data.

(J) Indicates estimated concentration due to internal standard areas or surrogate recoveries outside of control limits. A sample matrix effect is usually indicated.

(DW) Indicates Dry Weight.

Analytical Reporting Limits

The reporting limits listed for non-aqueous samples in the analytical report section are Practical Quantitation Limits (PQLs). These PQLs are based upon a typical standard weight used for a non-aqueous sample. The reporting limit for a sample may be different from the PQL listed depending upon the actual weight of sample used, the samples moisture content and any dilutions used during the analysis.

TestAmerica, Incorporated

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NOTES AND COMMENTS

TestAmerica Job Number: 1.17471

Sample Number: 708699

Analysis: 8270 BNA

Response for internal standards d12-chrysene and d12-perylene was below the recommended level.

Sample Number: 708706

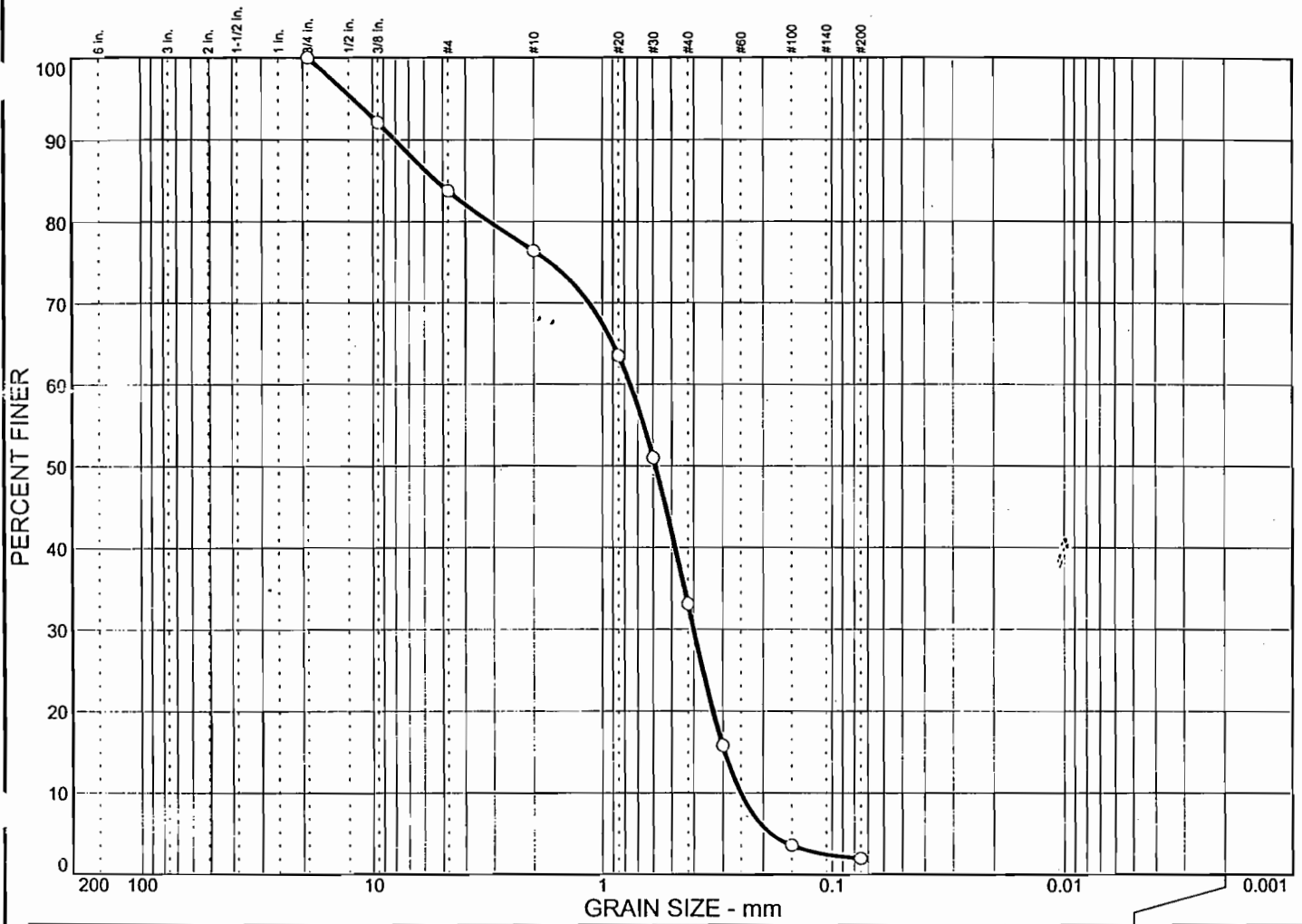
Analysis: 8270 BNA

Recovery of surrogate 2,4,6-tribromophenol was below the recommended level.

APPENDIX F

Grain-size Distribution Curves

USCS Particle Size Distribution Report

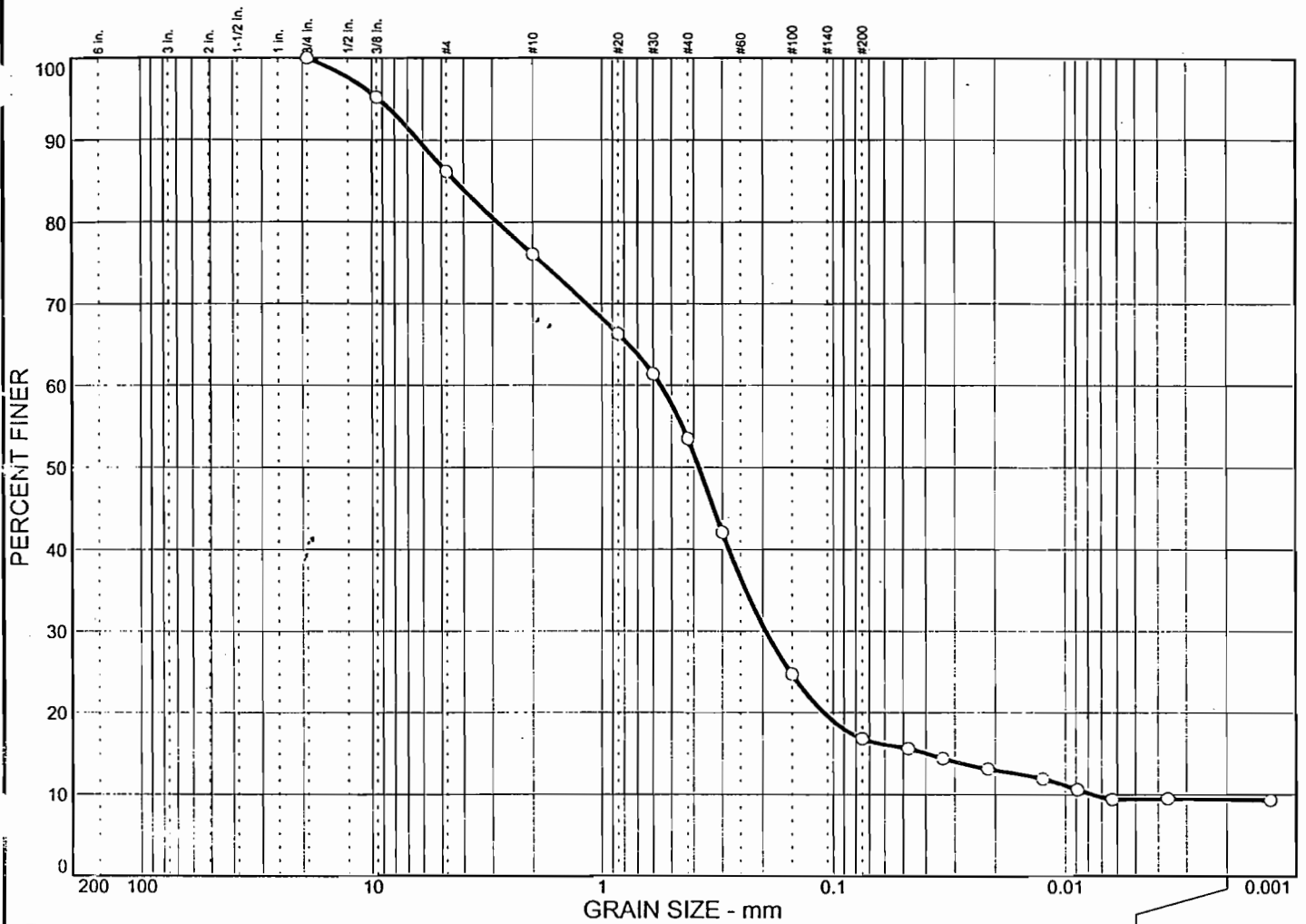


| % + 3" | % GRAVEL | | % SAND | | | % FINES | | | |
|--------|----------|------|--------|--------|-------|---------|-------|------|------|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY | | |
| 0.0 | 0.0 | 16.2 | 7.4 | 43.3 | 31.1 | 2.0 | | | |
| | | | | | | | | | |
| LL | PL | D85 | D60 | D50 | D30 | D15 | D10 | Cc | Cu |
| NP | NP | 5.31 | 0.757 | 0.587 | 0.402 | 0.294 | 0.250 | 0.85 | 3.03 |

| MATERIAL DESCRIPTION | USCS | AASHTO |
|--|------|--------|
| ○ BROWN POORLY GRADED SAND WITH GRAVEL, TRACE FINES. | SP | |

| | |
|---|--|
| Project No. SBI-002 Client: SOUTH BEND Project: AREA A ○ Location: 01-408 HMW-22D DEPTH: 16.0-18.0' | Remarks: ○ TESTED BY: MG CHECKED BY: JL MOISTURE CONTENT: 3.3% |
|---|--|

USCS Particle Size Distribution Report

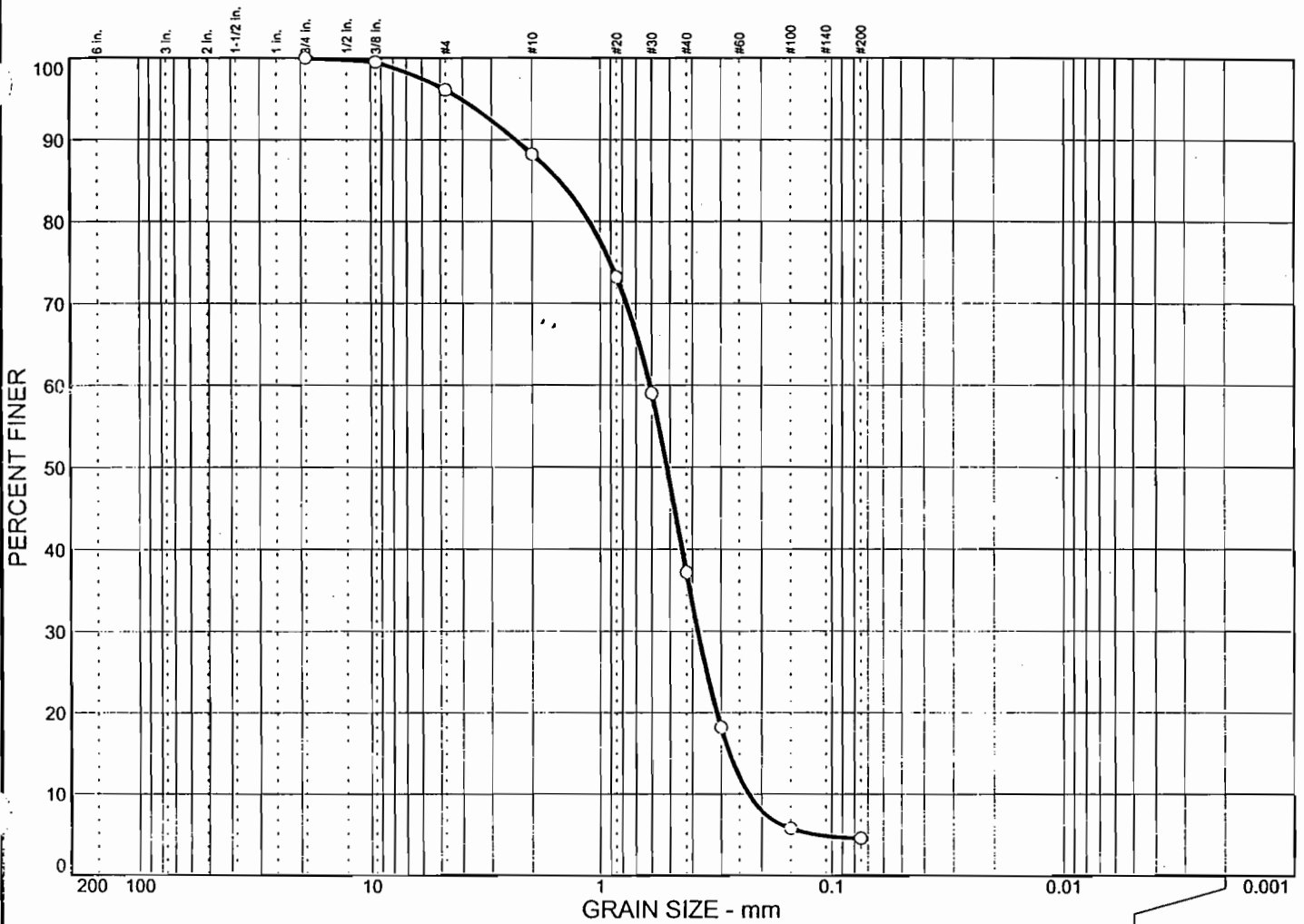


| % + 3" | % GRAVEL | | % SAND | | | % FINES | | | |
|--------|----------|------|--------|--------|-------|---------|--------|------|-------|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY | | |
| 0.0 | 0.0 | 13.8 | 10.1 | 22.6 | 36.7 | 7.4 | 9.4 | | |
| | | | | | | | | | |
| LL | PL | D85 | D60 | D50 | D30 | D15 | D10 | Cc | Cu |
| 22 | 15 | 4.33 | 0.556 | 0.380 | 0.194 | 0.0397 | 0.0077 | 8.84 | 72.61 |

| MATERIAL DESCRIPTION | USCS | AASHTO |
|--|-------|--------|
| ○ BROWN SILTY, CLAYEY SAND, LITTLE GRAVEL. | SC-SM | |

| | |
|---|---|
| Project No. SBI-002 Client: SOUTH BEND Project: AREA A Location: 01-398 HMW-25 SS-2 DEPTH: 2.0-4.0' | Remarks: ○ TESTED BY: MG CHECKED BY: JL NATURAL MOISTURE: 8.7% |
|---|---|

USCS Particle Size Distribution Report

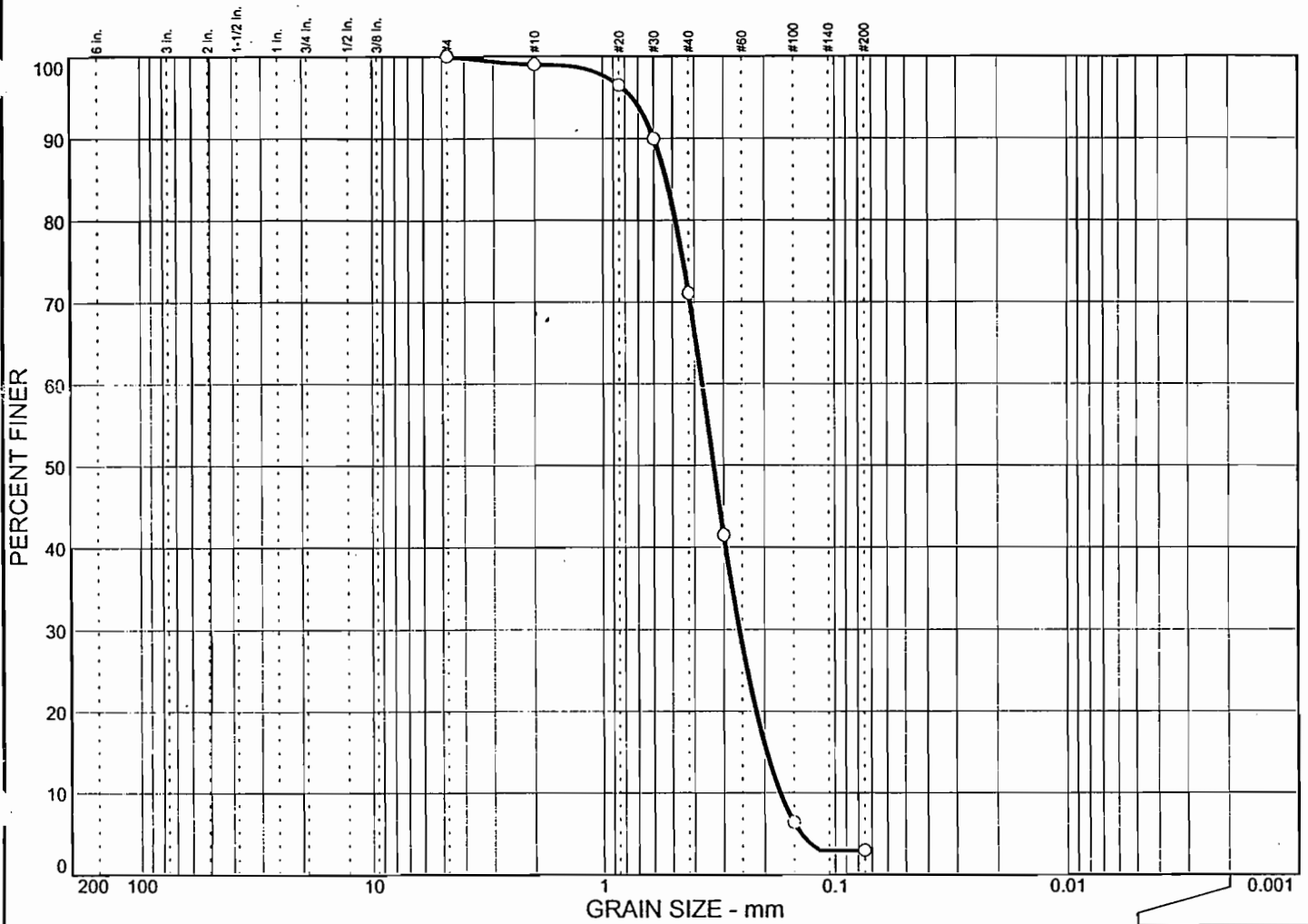


| % + 3" | % GRAVEL | | % SAND | | | % FINES | | | | |
|--------|----------|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY | | | |
| ○ 0.0 | 0.0 | 3.9 | 7.9 | 51.0 | 32.6 | 4.6 | | | | |
| | | | | | | | | | | |
| ⊗ | LL | PL | D ₈₅ | D ₆₀ | D ₅₀ | D ₃₀ | D ₁₅ | D ₁₀ | C _c | C _u |
| ○ | NP | NP | 1.52 | 0.611 | 0.517 | 0.378 | 0.275 | 0.227 | 1.03 | 2.69 |

| MATERIAL DESCRIPTION | USCS | AASHTO |
|--|------|--------|
| ○ BROWN POORLY GRADED SAND, TRACE FINES, GRAVEL. | SP | |

| | |
|--|---|
| Project No. SBI-002 Client: SOUTH BEND Project: AREA A ○ Location: 01-397 HMW-29D DEPTH: 4.0-6.0' | Remarks: ○ TESTED BY: MG CHECKED BY: JL MOISTURE CONTENT: 5.9% |
|--|---|

USCS Particle Size Distribution Report



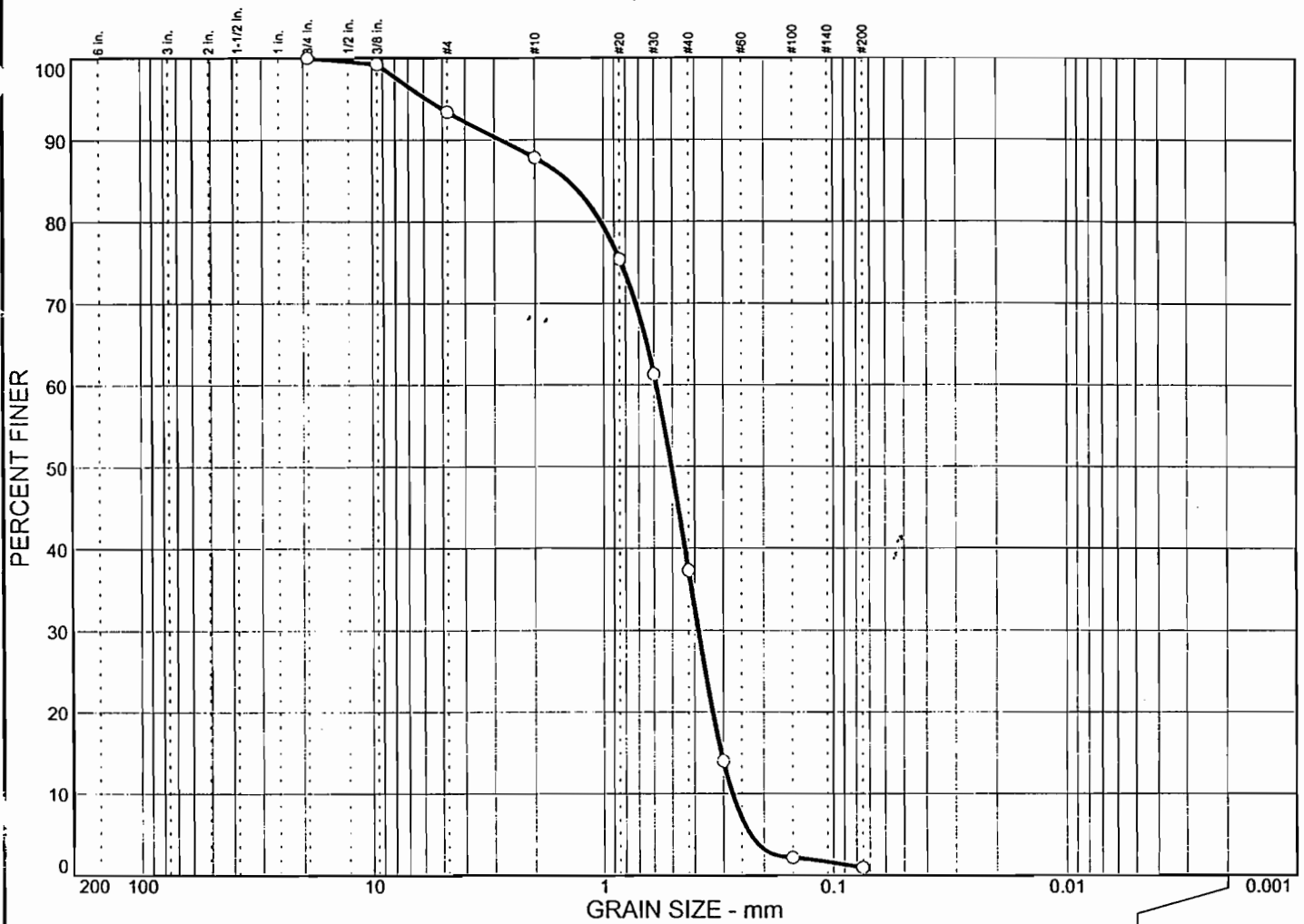
| % + 3" | % GRAVEL | | % SAND | | | % FINES | |
|--------|----------|------|--------|--------|------|---------|------|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY |
| 0.0 | 0.0 | 0.0 | 1.0 | 27.9 | 68.1 | 3.0 | |

| LL | PL | D ₈₅ | D ₆₀ | D ₅₀ | D ₃₀ | D ₁₅ | D ₁₀ | C _c | C _u |
|----|----|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| NP | NP | 0.531 | 0.371 | 0.332 | 0.257 | 0.196 | 0.171 | 1.04 | 2.17 |

| MATERIAL DESCRIPTION | USCS | AASHTO |
|--|------|--------|
| ○ BROWN POORLY GRADED SAND, TRACE FINES. | SP | |

| | |
|---|---|
| Project No. SBI-002 Client: SOUTH BEND Project: AREA A Location: 01-405 HMW-8D DEPTH: 18.0-20.0' | Remarks: ○ TESTED BY: MG CHECKED BY: JL MOISTURE CONTENT: 4.7% |
|---|---|

USCS Particle Size Distribution Report



| % + 3" | % GRAVEL | | % SAND | | | % FINES | | | |
|---|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY | | |
| 0.0 | 0.0 | 6.6 | 5.6 | 50.5 | 36.3 | 1.0 | | | |
| | | | | | | | | | |
| LL | PL | D ₈₅ | D ₆₀ | D ₅₀ | D ₃₀ | D ₁₅ | D ₁₀ | C _c | C _u |
| NP | NP | 1.43 | 0.587 | 0.504 | 0.386 | 0.306 | 0.274 | 0.93 | 2.14 |
| MATERIAL DESCRIPTION | | | | | | | | USCS | AASHTO |
| ○ GREY POORLY GRADED SAND, TRACE GRAVEL, FINES. | | | | | | | | SP | |

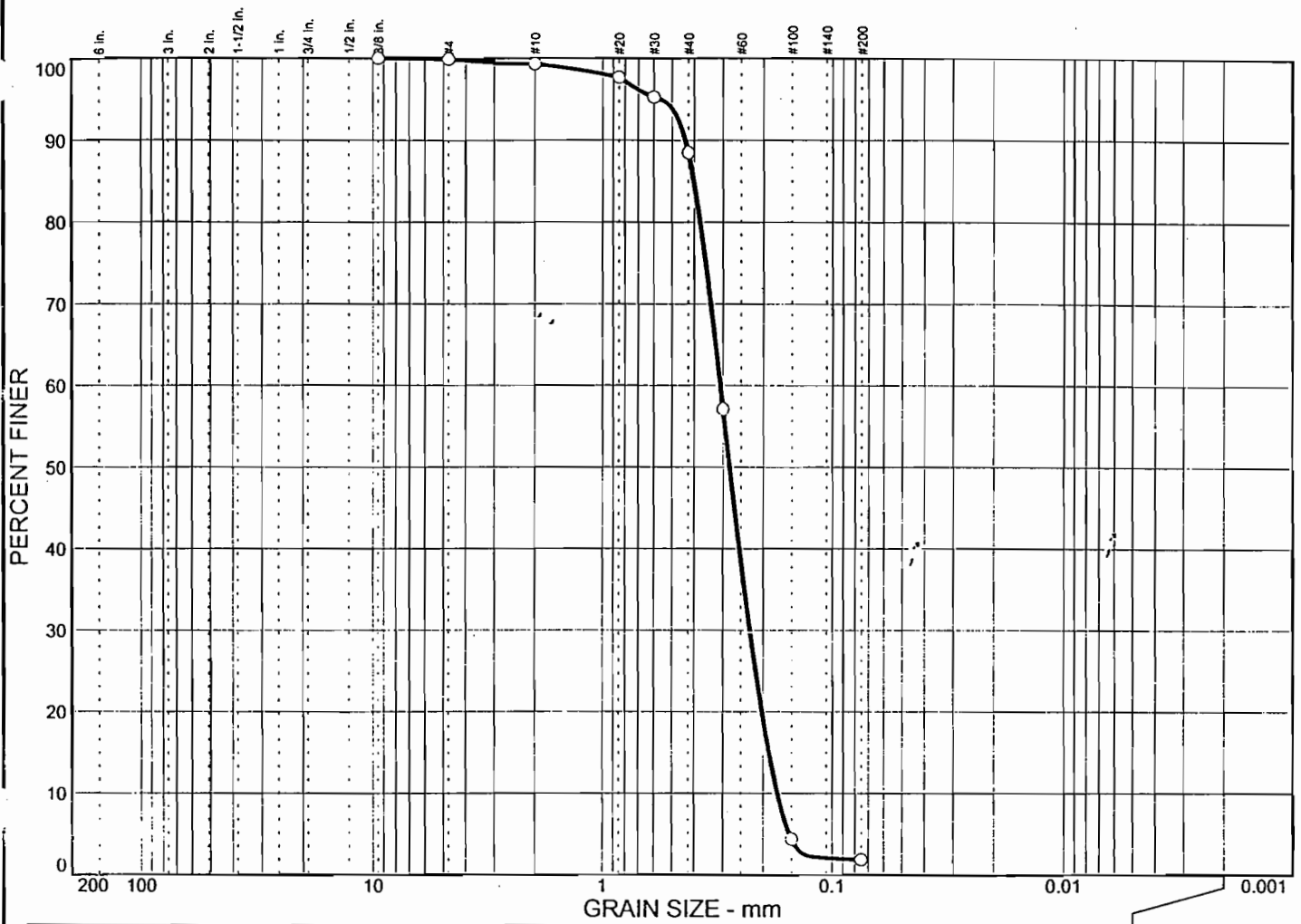
Project No. SBI-002 **Client:** SOUTH BEND
Project: AREA A
 ○ **Location:** 01-400 HMW-9D **DEPTH:** 30.0-32.0'

Remarks:
 ○ TESTED BY: MG
 CHECKED BY: JL
 MOISTURE CONTENT: 16.7%

USCS Particle Size Distribution Report
HULL & ASSOCIATES, INC.

FIGURE NUMBER

USCS Particle Size Distribution Report



| % + 3" | % GRAVEL | | % SAND | | | % FINES | | | | |
|--------|----------|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|----------------|
| | CRS. | FINE | CRS. | MEDIUM | FINE | SILT | CLAY | | | |
| 0.0 | 0.0 | 0.1 | 0.6 | 10.8 | 86.6 | 1.9 | | | | |
| | | | | | | | | | | |
| X | LL | PL | D ₈₅ | D ₆₀ | D ₅₀ | D ₃₀ | D ₁₅ | D ₁₀ | C _c | C _u |
| 0 | NP | NP | 0.402 | 0.308 | 0.280 | 0.228 | 0.188 | 0.173 | 0.98 | 1.78 |
| | | | | | | | | | | |

| MATERIAL DESCRIPTION | USCS | AASHTO |
|--|------|--------|
| BROWN POORLY GRADED SAND, TRACE FINES, GRAVEL. | SP | |

| | |
|---|--|
| <p>Project No. SBI-002 Client: SOUTH BEND</p> <p>Project: AREA A</p> <p>Location: 01-396 HMW-21D DEPTH: 4.0-6.0'</p> | <p>Remarks:</p> <p>○ TESTED BY: MG</p> <p> CHECKED BY: JL</p> <p> MOISTURE CONTENT: 18.5%</p> |
|---|--|

APPENDIX G

Institutional Controls Guidance from IDEM's RISC Resource Guide

Overview of Appendix 5

- ◇ Introduction
- ◇ Environmental Notice Criteria
- ◇ Minimum Environmental Notice Requirements and Language
- ◇ Environmental Notice Alternative for Ground Water Contamination
- ◇ Environmental Notice Generic Form

A5.0 Introduction

Institutional controls are non-engineered, administratively and legally enforceable measures that limit human exposure to environmental chemicals of concern (COCs). Institutional controls can serve several purposes, including:

- Notifying current and future owners about the environmental conditions of the property
- Limiting use of the land to prevent activities that could result in unacceptable exposures to receptors

Institutional controls are used when a cleanup leaves COC concentrations that exceed residential closure levels, and exposure to the remaining contamination must be prevented. Whenever institutional controls are used, a control requirement (or environmental notice) is recorded where a reasonably diligent inquiry into a property should uncover the existence of such a notice. Examples of institutional controls are land-use restrictions, deed restrictions, deed notices, and declarations of environmental restrictions.

A common method of recording an institutional control is the deed notice, or, for Risk Integrated System of Closure (RISC) purposes, an environmental notice. Under certain circumstances, a local ordinance can substitute for an environmental notice. The primary criteria for an institutional control are that it (1) provide legal notice to current and potential future property owners of the nature and extent of the restrictions, (2) be permanent, and (3) be legally valid.

An institutional control is required for the following situations:

- A commercial or industrial land-use designation
- An activity restriction used as part of a remedy
- An engineering control used as part of a remedy

The environmental notice notifies future owners or lessees of contamination present at a site and ensures that the restrictions and controls included in the approved remedy are legally recorded. A generic environmental notice form is provided at the end of this appendix.

The Indiana Department of Environmental Management (IDEM) does not have the statutory authority to enforce an environmental notice. However, if a current or subsequent property owner subject to an environmental notice creates or exposes a pathway protected by the environmental notice, IDEM has the authority to bring an enforcement action against that owner for causing a release into the environment.

An environmental notice can also be used when contamination has migrated to an off-site property if the off-site property owner agrees to accept the restrictions incorporated in the environmental notice. The environmental notice can be recorded using the generic form at the end of this appendix or using another customized format. Use of another format is acceptable as long as the information provided meets the criteria discussed below.

A5.1 Environmental Notice Criteria

Environmental notices must meet the criteria listed below.

1. Environmental notices must be recorded on the deed of the affected property by filing the environmental notice with the county recorder in the county in which the property is located.
2. Environmental notices must run with the land, meaning that conditions still apply after property ownership has transferred.
3. Environmental notices must identify the COCs where concentrations exceed closure levels, the media affected by the COCs, and the conditions or restrictions imposed on the property.
4. Environmental notices must state that performing restricted activities could result in unsafe exposure. Chapter 6 of the Technical Guide discuss closure requirements.
5. Environmental notices must be legally valid documents. They can be recorded on a form provided by IDEM or in an appropriate document drafted by the user and approved by IDEM. If the user drafts the environmental notice, it must meet the minimum requirements specified either in the rule (if one is published) or in the "Minimum Environmental Notice Requirements and Language" specified below.
6. Environmental notices must satisfy IDEM's concerns regarding permanence, legal validity, and informed consent.

7. Environmental notices must describe terms and procedures for modifying or removing the restrictions. This must include, at a minimum, a statement that the site must be reassessed and IDEM's approval must be granted before the restriction identified in the environmental notice can be modified. Such provision for compliance shall be evidenced by providing a true copy of the recorded environmental notice to IDEM.

A5.2 Minimum Environmental Notice Requirements and Language

An environmental notice must satisfy the minimum requirements below.

1. A legal description of the real estate must be provided accompanied by scaled maps showing the following:
 - Horizontal extent of contamination exceeding applicable remediation objectives
 - Legal boundaries of all properties where contamination exceeds applicable remediation objectives and that are subject to the restrictive covenant
2. The location where the public may review the approved remedial plan must be specified.
3. The environmental notice should list COCs in the remedial plan that will be left on the property at concentrations exceeding residential closure levels and the media (surface soil, subsurface soil, or ground water) impacted by the COCs.
4. A description must be provided of any limitations on the land-use designation (for example, commercial/industrial or residential).
5. A clear description in simple terms must be provided of each activity restriction within the proximity of the contaminated portion of the property. This description must identify any limitations on activities including, but not limited to, the following:
 - Ground water usage
 - Soil exposure through gardening
 - Digging into soil

6. A description must be provided of all actions necessary to maintain any engineered control measures established under the corrective action plan that render any potential exposure pathway incomplete. The description should include a demonstration of financial assurance mechanisms (if required under Resource Conservation and Recovery Act [RCRA]) for maintenance of the selected remedy and reporting requirements.
7. The environmental notice should include a statement that the environmental notice runs with the land.
8. The environmental notice should include a statement that any amendment, modification, or termination of the restrictions can be made only with IDEM's approval.

A5.3 Environmental Notice Alternative for Ground Water Contamination

An environmental notice to prevent exposure to contaminated ground water may not be necessary if an ordinance adopted by a unit of local government effectively prohibits exposure to ground water. An example of such an ordinance would require all residents to utilize the municipal water supply and would prohibit the installation of new drinking water supply wells in the county or municipality where the contaminated area is located.

The information below is required to support a request to replace the requirement for an environmental notice for ground water contamination:

1. The request must include the name and address of the local unit of government and a copy of the most current version of the ordinance restricting ground water use. An authorized official of the local unit of government must certify that the ordinance is complete, accurate, and in effect. The ordinance must demonstrate that exposure to ground water is prohibited.
2. A scaled map should delineate the areal extent of ground water (either measured or modeled) containing contamination that exceeds applicable closure levels. Information should be provided regarding COC concentrations in ground water that exceed applicable closure levels.

3. A scaled map should delineate the boundaries of all properties where COC concentrations in ground water exceed applicable closure levels.
4. The current owners and leaseholders of each property should be identified on the map that shows the ground water contamination.

The information above should also be provided in a notification to the local unit of government with authority over the ordinance and to each property owner and leaseholder identified in the scaled map. The notification must provide the following information:

- The site name, address, and IDEM site number
- Notification that IDEM is reviewing a request to use the ordinance restricting ground water use to substitute for an environmental notice
- A statement about the nature of the release and response actions taken
- A statement about where more information can be obtained about the ordinance

Copies of the notification submitted to the local unit of government, property owners, and leaseholders must also be provided to IDEM before the ordinance can be considered a substitute for an environmental notice.

Any approval by IDEM to replace the environmental notice with an ordinance will not become effective until it is recorded in the Office of the Recorder or Registrar of Titles of the county where the site is located. The person receiving the approval must obtain and submit to IDEM information demonstrating that the replacement was recorded.

The current owner, leaseholder, or successor of a site who receives approval to use an ordinance to replace the environmental notice must conduct the following activities:

1. Monitor activities of the unit of local government related to variance requests or changes in the ordinance regulating ground water use
2. Notify IDEM of any approved variance requests for ordinance changes within 30 days after the date such action was approved

3. Establish adequate controls when any approved variance requests or ordinance changes result in the diminishment or elimination of effective prohibition of exposure to ground water previously provided by the ordinance

If any of the following should occur, closure may be voided:

1. Repeal or other modification of the ordinance by the local unit of government
2. Approval of a site-specific request, such as a variance, that allows exposure to ground water
3. Violation of the terms of a recorded institutional control

Environmental Notice Generic Form

THIS COVENANT engineered this _____ day of _____, 20____, made by [name and address of current property owners] (together with his/her/its/their successors and assigns, collectively "Owner").

WHEREAS: _____ owns real estate in the County of _____, Indiana, which is more particularly described in the attached Exhibit "A" and made a part hereof ("real estate");

WHEREAS: A corrective action plan was prepared and implemented in accordance with Indiana law as a result of a release of regulated or hazardous substances upon said real estate. The corrective action plan, as approved by the Indiana Department of Environmental Management ("the Department"), provides that the regulated or hazardous substances shall remain on or beneath the surface of the real estate and provides for institutional controls that shall ensure the protection of public health, safety, or welfare, and the environment. The corrective plan, a survey of the areas on said real estate affected, and a list of the chemicals of concern may be examined at the offices of the Department.

(If the restriction is placed on a third party's property, the above paragraph should be modified to read as follows:

WHEREAS: A corrective action plan was prepared and implemented in accordance with Indiana Law as a result of a release of regulated or hazardous substances upon the property described in the corrective action plan ("property"). The corrective action plan, as approved by the Indiana Department of Environmental Management ("the Department"), provides that the regulated or hazardous substances shall remain on or beneath the surface of the property and provides the Environmental Notice that shall ensure the protection of public health, safety, or welfare, and the environment. The corrective action plan, a survey of the areas of said property affected, and a list of the chemicals of concern left on the property may be examined at the offices of the Department.)

(NOTE: The words "corrective action plan" can be deleted and replaced with the correct title of any plan that contains a Risk Integrated System of Closure (RISC) approach (for example, "closure plan").

NOW THEREFORE, _____ (hereinafter referred to as "Owner"), hereby, in consideration for the promises herein contained and other good and valuable consideration, imposes restrictions on the Real Estate and covenants and agrees that:

1. The Owner shall prevent a conveyance of title, an easement, or any other interest in the real estate from being consummated without adequate and complete provision for compliance with the corrective action plan and prevention of exposure to regulated or hazardous substances as described in item 3 below.
2. The Owner shall grant to the Department and its designated representatives the right to enter the real estate at reasonable times for the purpose of determining and monitoring

compliance with the corrective action plan, including, but not limited to, the right to take samples, inspect the operation of the corrective action measures, and inspect records.

3. Specific restrictions that may apply shall be listed here (for example, no off-site placement of excavated subsurface soil, no wells installed, maintenance of asphalt cover, description of financial assurance mechanism, etc.)
4. The restrictions and other requirements described in this Environmental Notice shall run with the land and be binding on the owners successors, assignees, and lessees or their authorized agents, employees, or persons acting under their direction or control.
5. The restrictions shall apply until the Department determines that regulated or hazardous substances no longer present an unacceptable risk to the public health, safety, or welfare, or to the environment. This Environmental Notice shall not be amended, modified, or terminated except by written instrument executed between the Owner and the Department at the time of the proposed amendment, modification, or termination. Within five (5) days of executing an amendment, modification, or termination of the Environmental Notice, the Owner shall record such amendment, modification, or termination with _____ County Registrar of Deeds and within five (5) days thereafter, the Owner shall provide a true copy of the recorded amendment, modification, or termination to the Department.
6. If any provision of the Environmental Notice is also the subject of any laws or regulations established by any federal, state, or local government, the stricter of the two standards shall prevail.
7. In the event that the Risk Integrated System of Closure (RISC) is adopted by rule in Indiana, this Environmental Notice shall be modified, if necessary, to conform with the Indiana RISC regulations for the scope or specificity of the Environmental Notice. In no event shall this Environmental Notice be rendered null and void if Indiana's RISC guidelines for an Environmental Notice differ in form or content.
8. The undersigned persons executing the Environmental Notice on behalf of the Owner represent and certify that they are duly authorized and have been fully empowered to execute and deliver this Environmental Notice.

I hereby attest to the accuracy of the statements in this document and all attachments.

IN WITNESS WHEREOF, the said Owner of the real estate described above has caused the Environmental Notice to be executed on this _____ day of _____, 20____.

Owner

(If Owner is an individual:)

STATE OF INDIANA

COUNTY OF (county where document is executed) }SS:

BEFORE ME, the undersigned, a Notary Public in an for said County and State, personally appeared _____ and _____, the _____ and _____, respectively, of _____, the Corporation that executed the foregoing instrument, who acknowledged and affirmed that they did sign said instrument as such officers, respectively, for and on behalf of said Corporation and by authority granted in its Articles of Incorporation and by it governing body, that the same is their free act and deed as said officers, and the free and corporate act and deed of said Corporation.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal this _____ day of _____, 20__.

My county of residence is:

_____ County, Indiana

Signature of Notary Public

My commission expires:

Printed Name of Notary

(If Owner is a partnership:)

STATE OF INDIANA

COUNTY OF (county where document is executed) SS:

BEFORE ME, the undersigned, a Notary Public in and for said County and State, personally appeared (name of person executing document on behalf of partnership), who acknowledged and affirmed that he/she is a general partner of (name of partnership). The partnership named in this document, that he/she did sign said instrument in his/her capacity as a general partner of (name of partnership), and that the same is the free act and deed as said persons and of said partnership.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal this _____ day of _____, 20____.

My county of residence is:

_____ County, Indiana

Signature of Notary Public

My commission expires:

Printed Name of Notary

The owner of the property should use whatever notary jurat is applicable to the situation.

(If Owner is a corporation:)

STATE OF INDIANA

COUNTY OF (county where document is executed) SS:

BEFORE ME, the undersigned, a Notary Public in and for said County and State, personally appeared (Owner's name), who acknowledged and affirmed the execution of the foregoing instrument.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal this _____ day of _____, 20____.

My county of residence is: _____
_____ County, Indiana

Signature of Notary Public

My commission expires:

Printed Name of Notary