

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT

Of the

**PROPERTY INCLUDING BECHTEL-MCLAUGHLIN, INC.
AND THE SANDUSKY BAPTIST TEMPLE**

Located at:
**U.S. ROUTE 250 AND STRUB ROAD
SANDUSKY, OHIO**

Prepared for:
**MR. JACK RICHESON
APARTMENT AND COMMERCIAL REALTY
7850 FREEWAY CIRCLE, SUITE 200
CLEVELAND, OHIO 44130**

MAY 2003

Hull
& associates, inc.

TABLE OF CONTENTS

	Page
1.0 INTRODUCTION	1
<u>1.1</u> <u>General</u>	1
<u>1.2</u> <u>Purpose</u>	1
<u>1.3</u> <u>Eligibility</u>	3
<u>1.4</u> <u>Amendments to Phase I Property Assessment</u>	3
2.0 PHASE II ACTIVITIES	4
<u>2.1</u> <u>General</u>	4
<u>2.2</u> <u>Soil Borings</u>	4
<u>2.3</u> <u>Monitoring Well Installation</u>	6
<u>2.4</u> <u>Groundwater Sampling</u>	6
<u>2.5</u> <u>Horizontal and Differential Leveling Survey</u>	7
<u>2.6</u> <u>Pathway Analysis</u>	7
3.0 PHASE II FINDINGS	8
<u>3.1</u> <u>Regional Geology and Hydrogeology</u>	8
<u>3.2</u> <u>Property-Specific Geology and Hydrogeology</u>	9
3.2.1 Geology	9
3.2.2 Hydrogeology.....	9
<u>3.3</u> <u>Identification and Evaluation of Chemicals of Concern (COCs)</u>	10
3.3.1 General	10
3.3.2 COCs in Soil	10
3.3.3 COCs in Groundwater.....	11
<u>3.4</u> <u>Preliminary Exposure Pathway Evaluation</u>	12
<u>3.5</u> <u>Groundwater Classification</u>	13
3.5.1 Definition of Groundwater.....	13
3.5.2 Classification of Groundwater.....	13
<u>3.6</u> <u>Groundwater Protection Provision (Uppermost Saturated Unit)</u>	15
<u>3.7</u> <u>Determination of Applicable Standards</u>	15
3.7.1 Applicable Standards for Soil	15
4.0 CONCLUSIONS	19
<u>4.1</u> <u>Soil Standards</u>	19
<u>4.2</u> <u>Groundwater Standards</u>	19

TABLE OF CONTENTS CONT'D

	Page
5.0 REPORT LIMITATIONS	21
6.0 REFERENCES	22

LIST OF TABLES

Table 1	Groundwater Elevations and Hydraulic Conductivity Results
Table 2	Volatile Organic Compounds in Soils (mg/kg)
Table 3	Metals and Cyanide in Soil (mg/kg)
Table 4	Polynuclear Aromatic Hydrocarbons and Polychlorinated Biphenols in Soil (mg/kg)
Table 5	Volatile Organic Compounds in Groundwater ($\mu\text{g/L}$)
Table 6	Metals and Cyanide in Groundwater ($\mu\text{g/L}$)
Table 7	Polynuclear Aromatic Hydrocarbons in Groundwater ($\mu\text{g/L}$)
Table 8	Site Conceptual Model
Table 9	Residual Chemical Concentrations and Cumulative Risk Ratios for Commercial/Industrial Scenario - 1×10^{-5} Risk Goal
Table 10	Residual Chemical Concentrations and Cumulative Risk Ratios for Construction/Excavation Activities - 1×10^{-5} Risk Goal – Pre Remediation
Table 11	Residual Chemical Concentrations and Cumulative Risk Ratios for Construction/Excavation Activities - 1×10^{-5} Risk Goal - After Remediation

LIST OF FIGURES

Figure 1	Property Location Map
Figure 2	Property Plan
Figure 3	Geologic Cross Section Map
Figure 4	Groundwater Surface Map
Figure 5	Soil Analytical Results
Figure 6	Cumulative Risk Analysis Summary - Soil
Figure 7	Groundwater Analytical Results that Exceed UPUS

LIST OF APPENDICES

Appendix A	Soil Boring/Monitoring Well Logs
Appendix B	Groundwater Sampling Field Data Sheets
Appendix C	Chemical Laboratory Results/Chain of Custody Records
Appendix D	Risk-Based Screening Levels

1.0 INTRODUCTION

1.1 General

Apartment & Commercial Realty (Client) of Cleveland, Ohio, authorized Hull & Associates, Inc. (Hull) to proceed with a Phase II Property Assessment (Phase II) at the proposed Commercial Retail Development located adjacent to the intersection of U.S. Route 250 and Strub Road in Sandusky, Ohio (Property). A Phase I Property Assessment (Phase I) has been completed for the Property consistent with the requirements of the Ohio Voluntary Action Program (VAP), Ohio Administrative Code (OAC) Chapter 3745-300 (HULL Document #HEM078.600.0005, December 2002). The location of the Property is shown on Figure 1.

This project was executed under Hull project number HEM078. All field work was conducted from March 2003 through May 2003. This report summarizes these activities. Mr. Eric Wilburn, P.E., Hull Senior Project Manager, Mr. Adam Altman, Hull Project Manager, and Mr. Matt Montecalvo Hull Engineer II, completed the assessment activities. In addition, Mr. Craig Kasper, P.E. of Hull provided project oversight as the Certified Professional.

The Property as defined under OAC 3745-300-01(A)(34) is currently made up of 5 parcels (3612 Milan Road - 2 parcels, 3706 Milan Road - 1 parcel, 3706 Milan Road - 1 parcel, and 3806 Milan Road - 1 parcel) totaling 55.4 acres. A legal description of the Property is provided in the Phase I. The location of the Property is shown on Figure 1, and the boundary of the Property is shown on Figure 2. The Property consists of the Bechtel-McLaughlin facility, the Sandusky Baptist Temple, farmland, and residential dwellings. Agricultural land on the Property is located to the northeast of the Bechtel-McLaughlin facility and the Sandusky Baptist Temple. The land use surrounding the Property is a mix of commercial, agricultural, and residential dwellings. Additionally, the Meadowlawn School and the Ohio Veterans Home are located to the southeast and southwest of the Property, respectively. Future land use at the Property is anticipated to be commercial.

1.2 Purpose

The Phase II was conducted consistent with the requirements of OAC 3745-300-07, and it was conducted in sufficient detail to develop costs for remedial alternatives required to meet applicable standards at the Property. The assessment was conducted to investigate the

identified areas documented in the Phase I (Hull Document #HEM078.600.0005). The Phase I Assessment noted the following identified areas:

- Area A: Area A: Historical records and the reconnaissance indicate several releases of chemicals have occurred at the Betchel-McLaughlin facility. Specific areas associated with this facility are listed below as Areas A1 through A12.
- A1. Groundwater Contamination - An August 30, 2001 letter from Ohio EPA and an April 9, 2002 report by Pollution Prevention Associates indicates that zinc, cadmium, nickel, cis-1,2, dichloroethene, trans-1,2, dichloroethene, trichloroethene, vinyl chloride and tetrachloroethene were detected above MCLs at monitoring wells located at the Property.
 - A2. Former Surface Impoundment (1956 Aerial) - A surface impoundment/pit was located in an area that now straddles the east edge of the current facility structure.
 - A3. Former Surface Impoundment (1960 Aerial) - A small surface impoundment/pit was located approximately 50 to 100 feet northeast of the current facility structure.
 - A4. Former Surface Impoundment (1964 - 1977 Aerials) - A surface impoundment/pit was located in an area adjacent to the east corner of the current facility structure. This pit may be subject to further closure requirements.
 - A5. Drainage Tile - Prior to installation of the water treatment plant in 1971, the facility discharged untreated plating wastes into a drainage tile that eventually led to an outfall to Second Creek located approximately 2,500 feet northeast of the current facility structure.
 - A6. Wooded Ditch Spills - Ohio Environmental Protection Agency (EPA) records indicate that this area was subject to a 30,000-gallon spill of chromic acid.
 - A7. Historical Plating Operations - Historical plating activities at the facility have included the use of cadmium, copper, nickel, zinc, tin, chromium, and chlorinated solvents.
 - A8. ASTs - Several ASTs were identified throughout the facility. Active ASTs include hydrochloric acid, sludge holding tanks, six tanks associated with chromium and cyanide treatment, filter tanks, and empty zinc solution tanks. Staining was observed at all of these locations.
 - A9. Current Plating Lines/ Phosphate Line - Two current zinc plating lines are located at the central and east section of the facility, respectively. A phosphate line is located at the northwest corner of the facility. Staining was observed at these locations.

- A10. Drum Storage Area/ Miscellaneous Drums - A drum storage area is located immediately south of the central zinc plating line. This area is also the location of the former cyanide stripper solution tanks. Additionally, several labeled and un-labeled drums were identified throughout the facility during Property reconnaissance.
- A11. Waste Treatment Areas - Historical and current liquid waste treatment in the waste treatment areas includes treating chromium, nickel, cyanide, copper, tin, zinc and phosphate wastes. The former sludge dumpster was also located in this area.
- A12. Transformers - Two old out-of-service transformers and two current transformers are located on the north side of the facility. According to Mr. Chuck Ohlemacher, these transformers are owned by the facility.
- Area B Potential Asbestos - Plaster, drywall, glazing, floor tile and insulation throughout all Property buildings may potentially contain asbestos. Acoustical tiles within the Sandusky Baptist Temple chapel may also contain asbestos.

The identified areas are presented on Figure 2 in the Phase I. Phase II activities were performed by Hull at the Property to evaluate the potential presence of COCs at these identified areas and to determine whether applicable standards were met in accordance with the VAP.

1.3 Eligibility

Several potential eligibility issues were discovered during the course of the Phase I. These included former RCRA units. All units appear to be closed in accordance with Ohio EPA requirements with the exception of a former area used for surface impoundment of liquids.

The former surface impoundment unit has most recently been denied an Equivalency Demonstration due to chemicals in the groundwater above Ohio Environmental Protection Agency (EPA) maximum contaminant levels at an up gradient monitoring well. The U.S. EPA has recommended that a facility wide investigation be conducted in accordance with the VAP to confirm other source areas at the Property outside of the former Surface Impoundment. Until this issue is resolved, this portion of the Property may not be eligible for the VAP.

1.4 Amendments to Phase I Property Assessment

No amendments to the original Phase I are warranted. All information presented in the Phase I Property Assessment completed by Hull in December 2002 has been used in its entirety without alteration or amendment.

2.0 PHASE II ACTIVITIES

2.1 General

The Phase II activities included the following:

1. Installation and sampling of 42 direct push soil borings (SB-1 through SB-42);
2. Installation of 12 monitoring wells (MW-5 through MW-13, MW-1D, MW-9D, MW-12D, and MW-13D);
3. Completion of one groundwater sampling event at three existing and 12 newly installed monitoring wells; and
4. Preparation of an Asbestos Survey.

Data were collected as specified by OAC 3745-300-07 to identify and evaluate COCs in the identified areas and evaluate Property-specific hydrogeology. Consistent with OAC 3745-300-07, soil boring and monitoring well location selection was biased toward areas where a release of hazardous substances or petroleum had or may have occurred. In addition, placement of monitoring wells was biased toward identifying the maximum yield of the saturated zone based on previous geologic data. All soil and groundwater samples were analyzed by a laboratory certified in accordance with OAC 3745-300-04. The locations of the newly installed soil borings and monitoring wells are shown on Figure 2.

2.2 Soil Borings

A total of 42 soil borings (SB-1 through SB-42) were installed by Northcoast Drilling Services, Inc. (Northcoast) under the direct supervision of Hull from April 8 through April 15, 2003. Soil borings were installed to collect soil samples at each identified area. In general, a minimum of three soil samples were collected for laboratory analysis from each identified area in accordance OAC 3745-300-07.

Prior to drilling, the Ohio Utility Protection Service was contacted regarding the locations of buried utilities. Additional utility checks were conducted through Chuck Ohlemacher of Bechtel-McLaughlin Corporation to verify additional facility-specific utilities on the Property.

Soil borings SB-1 through SB-33 were continuously sampled utilizing a 2-inch outside diameter, 48-inch long macrocore sampler with a single-use acetate sampler liner. Soil samples were

collected from each distinct stratigraphic unit at a minimum of one sample per two-foot interval. Soil borings SB-34 through SB-42 were sampled using a stainless steel hand auger. These borings were advanced to a maximum depth of five feet below ground. Soil samples from the hand auger borings were collected from each distinct stratigraphic unit at a minimum of one sample per 1-foot interval.

Sample handling procedures as well as equipment and personnel decontamination procedures were observed in order to preserve the integrity of each the soil sample. The field hydrogeologist wore a clean pair of nitrile gloves while handling each soil sample, and the macrocore sampler head was washed in a non-phosphate soap solution and then rinsed with potable water between each sampling interval. All decontamination procedures were performed on-site under the observation of Hull's field professional.

A representative portion of each sample was immediately placed in clean, laboratory-supplied sample jars with *Teflon*-lined lids. The sample jars were labeled and immediately placed on ice in a cooler. The remaining soil from the appropriate sample interval was placed in a clean *Zip-lock* type bag for field headspace screening using a OVM 402 photo ionization detector (PID) equipped with an 11.7 eV lamp. Before screening any samples, the PID was calibrated in accordance with the manufacturer's specifications using an isobutylene gas standard. The portion of each soil sample collected for headspace screening was allowed to warm to ambient temperature to promote volatilization of any volatile organic compounds (VOCs). The PID probes were carefully inserted through the seal of each bag and the maximum meter response from each sample was recorded in the soil boring log. Soil sample PID screening results are shown on the boring logs supplied in Appendix A.

Visual observations and PID screening results were used to select samples from each soil boring location for laboratory analysis. Soil samples were analyzed for VOCs in accordance with U.S. EPA method 8260; polynuclear aromatic hydrocarbons (PAHs) in accordance with U.S. EPA method 8310; polychlorinated biphenyls (PCBs) in accordance with U.S. EPA method 8080; RCRA metals plus cobalt, copper, and zinc by U.S. EPA methods 6010 and 7000; and cyanide in accordance with U. S. EPA method 9012. Selected soil samples were submitted for analysis at the Test America, Inc. (Test America) laboratory in Dayton, Ohio (VAP Certified Laboratory #CL0018).

2.3 Monitoring Well Installation

The 12 newly installed monitoring wells, along with existing monitoring wells MW-1 through MW-3, monitor the uppermost saturated unit encountered at the Property. MW-1 through MW-3 were previously installed as part of the closure activities associated with the surface impoundment. MW-4 was also previously installed for this purpose; however, this well could not be located during Phase II activities. The 12 newly installed wells and the three existing wells that could be located were used to obtain groundwater quality data in accordance with the criteria specified in OAC 3745-300-07. Soil samples collected during monitoring well installation were not submitted for chemical analyses.

Monitoring wells MW-5 through MW-13 were constructed of 2-inch diameter PVC and completed at depths ranging from 15 to 23.5 feet. Monitoring wells MW-1D, MW-9D, MW-12D, and MW-13D were also constructed of 2-inch PVC, and were completed to a depth of 100 feet. The monitoring well installation activities were conducted by Northcoast using a CME-55 truck-mounted rotary drill equipped with a 4-inch air-hammer. All monitoring well installation procedures were performed under the direct supervision of a hydrogeologist from Hull. Monitoring well logs are provided in Appendix A.

Following installation, each new monitoring well was properly developed. A sufficient volume of water was extracted from the well so that any accumulated sediment would be removed. Monitoring well development was performed no sooner than 24 hours following well installation.

2.4 Groundwater Sampling

Well development, purging, and sampling activities were conducted at MW-1 through MW-3 and MW-5 through MW-9 on April 16, 2003; at MW-10 through MW-12 on April 30, 2003; at MW-13 on May 10, 2003; and at MW-1D, MW-9D, MW-12D, and MW-13D on May 15, 2003 through May 20, 2003. Groundwater samples were submitted for laboratory analyses to evaluate the presence/absence of COCs in the uppermost saturated zone at the Property.

Groundwater samples were collected using disposable plastic bailers. All samples were immediately transferred to laboratory supplied sample containers and then preserved on ice in a cooler. The appropriate chain-of-custody records accompanied the samples upon transport to Test America in Dayton, Ohio.

Groundwater samples were analyzed for the eight RCRA metals plus cobalt, copper, and nickel in accordance with U.S. EPA method 7470/6020; VOCs in accordance with U.S. EPA method 8260; PAHs in accordance with U.S. EPA method 8310; and total dissolved solids (TDS). Groundwater sampling field data sheets are provided in Appendix B.

2.5 Horizontal and Differential Leveling Survey

A survey was conducted by Hull to accurately locate soil borings, monitoring wells and other Property features. All located Property features, including soil borings and monitoring wells were surveyed relative to an arbitrary on-Property datum. The elevations of on-Property soil borings and monitoring wells were also surveyed to the same arbitrary on-Property datum. Elevations of well top-of-casings and ground-surface elevations for soil borings and wells were tied to the on-site datum using EDM surveying equipment. The ground surface and top-of-casing elevations of the monitoring wells are referenced from the benchmark elevation (arbitrarily assumed to be 100.00 feet) and tabulated in Table 1.

2.6 Pathway Analysis

A pathway analysis was completed in accordance with OAC 3745-300-07 for the purpose of evaluating current and potential exposure pathways. The results of this evaluation are presented in Section 3.4.

3.0 PHASE II FINDINGS

3.1 Regional Geology and Hydrogeology

The Property is located within the area of the Lake Erie watershed at an approximate elevation of 600 feet from mean sea level (msl). The topography in the area of the Property is gently sloping to the north northeast. Surficial drainage is directed toward Kob Ditch. Kob Ditch is approximately one mile to the northeast, and it flows due north directly into Lake Erie.

The bedrock formation underlying the Property consists of Devonian Age Delaware Limestone. On-Property boring logs indicate that the limestone is present 2 to 8 feet below ground, and it slopes toward the east-northeast. Ohio Department of Natural Resources (ODNR) generalized bedrock stratigraphy indicates the thickness of the Delaware formation averages 35 feet. The stratigraphic unit immediately beneath the Delaware Limestone is the Columbus Limestone. ODNR reports that the Columbus Limestone reaches thicknesses of more than 100 feet, and is underlain by a series of Devonian Age limestone and dolomite formations. Each of these bedrock units has typical carbonate geology including fractures, solution channels, etc. that govern groundwater movement through the formations.

Regionally, groundwater in the Delaware and Columbus Limestones flows north toward Lake Erie. Local variation in groundwater flow and groundwater yield is high, and it based on factors such as fracture orientation in the bedrock aquifer and possible connections to nearby surface water bodies. ODNR Division of Water was contacted to obtain copies of any logs of private water wells, public water wells, and monitoring wells documented within one-half mile of the Property boundary. No logs were identified within the specified radius. However, water wells are present outside of the ½-mile radius in the vicinity of the Property. These wells are set in unidentified limestone formations up to 207 feet in depth, and are reported to yield 2 to 100 gallons per minute (gpm) from this formation.

Groundwater present within the limestone aquifers occurs within networks of interconnected fractures, bedding planes, and solution channels. Individual well yields can differ greatly from one well to the next since yield depends upon which of these fractures and how many of them are encountered by the well (ODNR, 1994). Cavernous portions of the Delaware and Columbus formations have been reported to yield as much as 500 gpm.

3.2 Property-Specific Geology and Hydrogeology

An evaluation of the Property-specific geology and hydrogeology was performed in accordance with OAC 3745-300-07. The results of this evaluation are described in the following subsections.

3.2.1 Geology

Based on the logs of the soil boring and monitoring well installation program, the subsurface material at the Property generally consists of a thin veneer of silty clay underlain by limestone bedrock. In general, the clay extends to a depth of approximately 2 to 8 feet. The bedrock is assumed to extend to depths exceeding 100 feet. This was consistent throughout the Property. Figure 3 provides a geologic cross section of the Property. The line of section traverses the Property from south to north.

3.2.2 Hydrogeology

Soil boring and monitoring well logs indicated that the uppermost saturated zone at the Property generally occurs within the upper 4 to 15 feet of ground surface within the limestone bedrock. All monitoring wells are screened in the limestone bedrock.

A total of 15 monitoring wells are located on-Property. Three of the monitoring wells (MW-1 through MW-3) were previously existing, and 12 new monitoring wells (MW-5 through MW-13, and MW-1D, MW-9D, MW-10D, and MW-13D) were installed in April and May 2003 to provide saturated zone surface elevation data and to characterize conditions in the uppermost saturated zone underlying the Property. A complete round of water levels was collected on May 20, 2003. The data from that gauging event is summarized on Table 1.

Figure 4 was constructed from the data collected on April 15, 2003 to illustrate the groundwater surface for the uppermost saturated zone. Based on the data, two separate flow directions appear to govern groundwater flow at the Property. Groundwater (as defined in OAC 3745-300-01) on the northern portion of the Property flows north northeast, and groundwater on the southern portion of the Property flows south southwest. The approximate hydraulic gradient to the north is 0.023 feet/foot. The difference and flow direction and gradient can be attributed to the fractured nature of the uppermost water bearing zone.

3.3 Identification and Evaluation of Chemicals of Concern (COCs)

3.3.1 General

As required by OAC 3745-300-07, the volunteer must identify the COCs in identified areas, identify potential source areas and affected media within identified areas, and determine the concentrations of COCs within identified areas. Based on the results of the Phase I, suspected groups of COCs consisted of the following:

1. VOCs, PAHs, PCBs, and metals from various releases of chemicals from the Bechtel-McLaughlin facility. These areas were investigated as Identified Areas A1 through A12. The potential releases were associated with areas that include: the Bechtel-McLaughlin facility and groundwater beneath the facility (A1 and A6), a former surface impoundment at the Bechtel-McLaughlin facility (A2 through A4), field tile associated with former waste water discharges from the Bechtel-McLaughlin facility (A5), current and historic metal plating lines (A7 and A9), active and decommissioned ASTs (A8), drum storage areas (A10), waste treatment areas (A11), and unused transformers (A12).
2. Asbestos found in plaster, drywall, glazing, floor tile, and insulation throughout buildings located on the Property. These areas were investigated as Identified area B.

Affected media include shallow soils and groundwater in the uppermost saturated unit within the limestone bedrock. Hull conducted soil and groundwater sampling to evaluate current concentrations of COCs. In accordance with OAC 3745-300-07, selected sampling locations were biased toward areas where the highest concentrations of COCs were suspected based on available information collected during the Phase I. Investigation of asbestos or asbestos containing material was not conducted during the Phase II investigation. Asbestos, as a COC, requires investigation and abatement under an asbestos management and abatement plan.

3.3.2 COCs in Soil

A total of 42 direct-push soil borings were installed to evaluate soil conditions, and 42 soil samples were submitted to the laboratory for chemical analysis. In general, the soil sample from the upper two-foot interval was submitted for analyses. However, based on field headspace screening results, visual staining, and/or suspected release mechanism at each identified area (i.e., subsurface release), additional soil samples were submitted from greater depths. Specifically, in the area of the existing plating line and former surface impoundment area (A2 – A4 and A9), soil samples were submitted for the 2-foot interval as deep as 6 feet below ground. In the area associated with the wastewater treatment system (A11), soil samples

were submitted from a 4 to 7.5 foot interval. Soil samples collected along the former drain tile associated with past wastewater discharges (A5) were submitted from the 4 to 5 foot interval.

A minimum of three soil samples were analyzed from each identified area. Results of analysis of all soil samples collected at the Property indicate that no COCs were detected in concentrations exceeding the commercial/industrial generic direct-contact soil standards at a 2-foot point of compliance. The constructing/excavation worker generic direct-contact standard was exceeded for only one COC. Nickel was detected at a concentration of 6,900 mg/kg in soil at SB-20 using a 5-foot point of compliance. The location of the exceedance is likely associated with either Identified Areas A2 or A9. The release mechanism for this COC is surficial in nature and the COCs is relatively immobile in soil.

Results of chemical analyses for all soil samples collected during this assessment are presented in Tables 2 through 4. Copies of the laboratory reports and chain-of-custody records are included in Appendix C.

3.3.3 COCs in Groundwater

Groundwater samples were collected from monitoring wells MW-1 through MW-3, MW-5 through MW-13, and MW-1D, MW-9D, MW-12D, and MW-13D in accordance with the requirements of OAC 3745-300-07 for verifying COCs in groundwater and determining the applicability of the groundwater protection provision. One equipment blank and one duplicate sample were collected during each sampling event.

Groundwater sampling results indicate that several VOCs were detected above the unrestricted potable use standards (UPUS) for groundwater. The following COCs were detected in groundwater above UPUS:

1. 1,1-Dichloroethane exceeded the UPUS of 7 micrograms per liter (ug/L) in samples from one monitoring well (MW-5) and the highest concentration was 8.2 ug/L.
2. Arsenic exceeded the UPUS of 50 ug/L in samples from one monitoring well (MW-13D), and the highest concentration was 53.5 ug/L.
3. Benzene exceeded the UPUS of 5 ug/L in samples from one monitoring well (MW-6) and the highest concentration was 5.1 ug/L.

4. Cadmium exceeded the UPUS of 5 ug/L in samples from five monitoring wells (MW-1, MW-5, MW-9D, MW-12, and MW-12D) and the highest concentration was 54.6 ug/L.
5. Chromium exceeded the UPUS of 100 ug/L in samples from six monitoring wells (MW-5, MW-7, MW-9D, MW-12, MW-12D, and MW-13D) and the highest concentration was 1,780 ug/L.
6. Cis-1,2-dichloroethene exceeded the UPUS of 70 ug/L in samples from five monitoring wells (MW-1, MW-2, MW-5, MW-8, MW-9, and MW-10) and the highest concentration was 11,300 ug/L.
7. Cyanide exceeded the UPUS of 200 ug/L in samples from one monitoring well (MW-12) and the highest concentration was 300 ug/L.
8. Lead exceeded the UPUS of 15 ug/L in samples from four monitoring wells (MW-6, MW-9D, MW-12D, and MW-13D) and the highest concentration was 981 ug/L.
9. Nickel exceeded the UPUS of 100 ug/L in samples from 12 monitoring wells (MW-1, MW-2, MW-3, MW-5, MW-7, MW-8, MW-9D, MW-12D, MW-13D, and MW-10 through MW-12) and the highest concentration was 2,530 ug/L.
10. Tetrachloroethene exceeded the UPUS of 5 ug/L in samples from four monitoring wells (MW-8, MW-9, MW-9D and MW-12) and the highest concentration was 150 ug/L.
11. Trichloroethene exceeded the UPUS of 5 ug/L in samples from nine monitoring wells (MW-1, MW-5, MW-7 through MW-12, and MW-9D) and the highest concentration was 1,110 ug/L.
12. Trans-1,2-dichloroethene exceeded the UPUS of 15 ug/L in samples from one monitoring well (MW-1) and the highest concentration was 1,540 ug/L.
13. Vinyl chloride exceeded the UPUS of 2 ug/L in samples from eight monitoring wells (MW-1, MW-2, MW-5 through MW-8, and MW-11) and the highest concentration was 1,110 ug/L.

Tables 5 through 7 present summaries of all groundwater data collected from the Property. Each parameter group is summarized, and any result that exceeds UPUS is identified on the summary table. Copies of the laboratory reports and chain-of-custody records are included in Appendix C.

3.4 Preliminary Exposure Pathway Evaluation

A preliminary exposure pathway evaluation was conducted to identify potential exposure pathways and evaluate each pathway to determine if it is complete pursuant to OAC 3745-300-07. Potentially exposed populations were also identified in accordance with OAC 3745-300-07.

This pathway evaluation assumes current use and future commercial/industrial end use of the Property and includes construction activities to achieve end use. Based on available Property-specific information, the potential complete human and ecological exposure pathways for the Property (during construction and after development) are presented in Table 8.

3.5 Groundwater Classification

3.5.1 Definition of Groundwater

In order to meet the criteria for the definition of groundwater in accordance with OAC 3745-300-01, a saturated zone underlying the Property must yield 1.5 gallons within eight hours after being purged and the in situ hydraulic conductivity must be greater than 5.0×10^{-6} cm/sec. Failure of either one of these conditions will result in the saturated zone being treated as soil rather than groundwater.

Yield testing was not conducted at the Property. Groundwater yield is assumed to exceed the requisite 1.5 gallons based on groundwater recovery rates observed during monitoring well development. Additional information obtained from boring logs in the region indicate that average groundwater yields for the same aquifer formation average between 15 and 100 gallons per minute (gpm). Based on this information, it is assumed that the water in the uppermost saturated unit below the property meets the definition of groundwater.

3.5.2 Classification of Groundwater

According to OAC 3745-300-10(C), there are three classifications for groundwater: Critical Resource groundwater, Class A groundwater, and Class B groundwater. The criteria for Critical Resource groundwater is as follows:

1. The groundwater is being used by a public water system and is in a drinking water source protection area for a public water system using groundwater;
2. The groundwater is part of an unconsolidated saturated zone that is capable of yielding water at a time-weighted average rate greater than 100 gpm over a 24-hour period; or
3. The groundwater is in a consolidated saturated zone that is part of a sole source aquifer.

Groundwater is classified as Class A if it does not meet the criteria for Critical Resource groundwater but:

1. The groundwater is in a saturated zone that is currently utilized as a source of water used for potable purposes on the property or within ½ mile of the boundary of the property; or
2. The groundwater has a background TDS level of less than 3,000 milligrams per liter (mg/L), and except as provided in OAC 3745-300 C (2) c of this rule, the groundwater is in a saturated zone that is capable of yielding water at a time-weighted average rate greater than 0.1 gpm over a 24-hour period.

Groundwater is classified as Class B groundwater if:

1. The groundwater is in a saturated zone that yields less than 3 gpm, and another groundwater zone underlies the property that is likely the source of water used for potable purposes within one mile of the property. The groundwater zone for comparison must be present beneath the property, and yield at least 3 or more gpm and at least twice as much groundwater as the zone being classified; or
2. The groundwater is in an unconsolidated saturated zone that yields less than 3 gpm over a 24-hour period and all parts of the zone are wholly contained within fifteen feet below ground surface.

Concentrations of total dissolved solids in groundwater samples collected from the uppermost saturated zone ranged from 622 mg/L to 2,830 mg/L in monitoring wells located across the Property. No wells exceeded the cut-off value for total dissolved solids concentration; therefore, for classification purpose, the upper saturated unit at the Property is considered having total dissolved solids less than 3,000 mg/L.

The Delaware and Columbus Limestones are the geologic formations most likely to be sources of drinking water for the region. According to the Groundwater Resource Map for Erie County, yields average 15 to 100 gpm for wells that draw from these formations. However, based on available well logs, the uppermost limestone saturated zone is not utilized as a source of potable water within ½-mile of the Property. While no private wells are located within ½-mile of the Property wells installed in cavernous portions of the Delaware and Columbus formations have been reported to yield as much as 500 gpm.

The groundwater in the uppermost saturated unit beneath the Property has a background TDS concentration of less than 3,000 mg/L, and the assumed groundwater yield from this formation

is greater than 3 gpm. Therefore, the groundwater in the uppermost saturated unit is considered to be Class A groundwater.

3.6 Groundwater Protection Provision (Uppermost Saturated Unit)

OAC 3745-300-07 describes several methods for determining if the provisions for protecting groundwater meeting potable use standards apply to the Property. Concentrations of COCs in the uppermost saturated unit exceeded the UPUS for several parameters. Based on these results, provisions for protecting groundwater in the uppermost saturated unit do not apply to the Property and remedial activities are required in accordance with OAC 3745-300-10.

3.7 Determination of Applicable Standards

In accordance with OAC 3745-300-07, applicable standards must be determined for all COCs with respect to all pathways determined to be complete or only considered to be incomplete as a result of an engineering or institutional control at the Property. For purposes of the Phase II Property Assessment, Hull has evaluated detected COCs in comparison to standards for direct-contact soils and unrestricted groundwater use.

3.7.1 Applicable Standards for Soil

Future use of the Property is likely to be commercial/industrial in accordance with the categories listed in OAC 3745-300-08. As specified in OAC 3745-300-08, the commercial/industrial point of compliance for soils at the Property is from the surface to a minimum depth of two feet. Hull has also evaluated the construction and excavation activities category. The construction worker point of compliance is from the surface to a minimum depth equal to the maximum depth reasonably anticipated at the Property, which at this Property, is anticipated to be four feet.

As specified in OAC 3745-300-08, the generic direct-contact soil standards for commercial/industrial and the construction/excavation scenario were applied to the Property. Three parameters exceeded the direct-contact standards in two soil borings for either the commercial/industrial or construction/excavation scenarios. Nickel was detected at a concentration of 6,900 mg/kg and chromium was detected at a concentration of 4,260 mg/kg in soil collected at SB-20. Chromium was also detected in soil from SB-12 at a concentration of 3,440 mg/kg. The exceedances are likely associated with either the former surface impoundment, the current zinc plating line, or the waste water treatment area. Figure 5 illustrates the areas where the direct-contact standards were exceeded.

Because multiple COCs are present in soil at the Property, the cumulative cancer risk ratio and the cumulative noncancer risk ratio were determined in accordance with OAC 3745-300-08. For each COC, the maximum concentration detected, or the laboratory detection limit, if elevated, were used in calculating the risk ratios. Using a 1×10^{-5} risk goal, the commercial/industrial and construction/excavation cumulative carcinogenic risk ratios are 0.436 and 2.21, respectively. The commercial/industrial and construction/excavation cumulative noncarcinogenic risk ratios are 0.961 and 2.36, respectively. Based on this analysis, the Property does not meet the noncarcinogenic risk goal of 1×10^{-5} or the construction/excavation worker scenario. Remediation in accordance with OAC 3745-300-15 will be required to meet the standards for commercial/industrial and construction/excavation use of the Property.

Table 9 presents a summary of the commercial/industrial cumulative risk ratios for a 1×10^{-5} risk goal, Table 10 presents the construction/excavation cumulative risk ratio for a 1×10^{-5} risk goal, and Table 11 shows the construction/excavation cumulative risk ratio assuming that engineering controls/soil removal is used to meet that same goal. The areas requiring remediation to meet applicable standards are illustrated on Figure 6. Collectively, the soils in the vicinity of borings SB-20 and SB-12 will require engineering controls/soil removal. Verification of attainment of applicable standards will be conducted prior to preparation of a No Further Action Letter for issuance of a Covenant not to Sue.

Hull has also compared soil analytical results against risk-based screening levels for soil to indoor air. The screening levels were developed using the Johnson and Ettinger Model. These screening level derivations included a silty clay soil type scenario based on its applicability to the Property. The screening levels and default input values for each soil type scenario is presented in Appendix D. Soils in the vicinity of the existing plating lines (SB-16) exceeded the applicable screening levels. Soils exceeding these risk-based screening levels are also shown on Figure 6. Remedial activities will be extended to include the soils in vicinity of these soil borings. Verification of attainment of applicable standards will be conducted prior to preparation of a No Further Action Letter for issuance of a Covenant not to Sue.

Hull also understands that inherent risks (i.e., worker safety, trespassers during construction, etc.) will be encountered at the Property due to remediation and construction activities. Interim measures to address these risks are discussed in the Remedial Plan Document.

An ecological resource evaluation and a risk assessment have not been conducted at the Property. Therefore, a determination of, and comparison to, standards for other potential human exposure pathways and potential important ecological resource exposure pathways, if applicable, have not been quantified to date. Although a risk assessment has not been completed, the results of the Phase II and the exposure pathway evaluation suffice for an accurate estimate of remedial costs to address concentrations exceeding applicable standards.

3.8.2 Applicable Standards for Groundwater

As specified in OAC 3745-300-08, the UPUS were applied to the area of the Property containing groundwater as defined in the VAP. Based on results of the groundwater sampling events completed at the Property, the standards for several COCs were exceeded. Figure 7 shows the groundwater sample results that exceeded the UPUS for the Property.

Potential current and future exposure pathways were evaluated in accordance with the requirements for Class A groundwater exceeding the UPUS, as specified in OAC 3745-300-10. Potential human exposure pathways include ingestion and dermal contact with groundwater; potential important ecological resource exposure pathways, if present, include ingestion by animals of plants which have incorporated COCs from groundwater, and ingestion of prey animals which have incorporated COCs from those plants by predatory animals. Institutional and or engineering controls will be required to address these potentially complete exposure pathways.

Hull also compared COCs in groundwater to risk-based screening levels for groundwater to indoor air. As with soil, these screening levels were developed using the Johnson and Ettinger Model. These screening level derivations included the silty clay soil type scenario applicable to the Property. The screening levels and default input values for each soil type scenario is presented in Appendix D.

Elevated concentrations of VOCs exceeding the risk-based soil to indoor air screening levels were found in groundwater samples collected from monitoring wells MW-1 and MW-9. These locations are also noted on Figure 7.

Again, inherit risks (i.e., worker safety, trespassers during construction, etc.) will be encountered at the Property due to remediation and construction activities. Interim measures to address these risks are discussed in the Remedial Plan Document.

4.0 CONCLUSIONS

4.1 Soil Standards

The results of the Phase II assessment indicated the following:

1. The Property exceeds the VAP generic direct-contact soil standards for construction/excavation activities at the area located adjacent to the current zinc plating line and the former surface impoundment. The only COC that exceeded the direct contact standard was nickel.
2. The Property currently does not meet the direct-contact soil cumulative risk goal standard (1×10^{-5}) for construction/excavation activities. Therefore, if the Property is to be used for commercial/industrial and construction/excavation activities are necessary, remediation in accordance with OAC 3745-300-15 will be required. Potential options for remediation of COCs on the Property may include institutional and engineering controls to limit potential exposures to COCs identified in areas shown on Figure 6.
3. The Property would likely not meet the soil to indoor air exposure pathway at one location. This location is in the vicinity of the existing zinc coating line. Remediation in accordance with OAC 3745-300-15 will be conducted at these areas based on Item 2, above. A complete analysis will be conducted prior to preparation of a No Further Action Letter for issuance of a Covenant not to Sue.
4. The direct-contact exposure and volatilization to air exposure and remediation addressed above does not include all potential exposures to humans or important ecological resources, if present, on the Property. A risk assessment and ecological resource evaluation of the Property are required to more definitely address these other exposure pathways and which would account for potential future use(s) of the Property. Such assessment would be completed prior to preparation of a No Further Action Letter for issuance of a Covenant not to Sue.

4.2 Groundwater Standards

The results of the Phase II assessment indicated the following groundwater-related conclusions:

1. The uppermost saturated unit (i.e., limestone bedrock) at the Property meets the definition of a Class A groundwater. Therefore in accordance with OAC 3745-300-10(F) (4), the following groundwater response activities apply to the Property:
 - i. implement institutional controls or engineering controls that prevent human exposures on the Property to groundwater with concentrations of COCs in excess of unrestricted potable use standards or restore the groundwater underlying the Property to those unrestricted potable use standards;

- ii. groundwater emanating from the Property must not exceed unrestricted potable use standards. If groundwater does exceed the unrestricted potable use standards at the Property boundary then one of the following must be implemented:
 - a. restore the contaminated groundwater to unrestricted potable use standards; or
 - b. provide a reliable alternate potable water supply or a water treatment system.
 - iii. ensure protection of humans on and off the Property from exposures to COCs in groundwater not related to potable use of the groundwater; and
 - iv. ensure protection of important ecological resources on and off the Property.
2. Groundwater samples collected from all but one monitoring well exceed the generic unrestricted potable use standards for groundwater. Therefore, the response actions discussed above, must be addressed. The following COCs were detected at one or more wells: benzene, cadmium, chromium, cis-1,2-dichloroethene, cyanide, 1,1-dichloroethane, lead, nickel, tetrachloroethene, trans-1,2-dichloroethene, trichloroethene, and vinyl chloride.
3. The provisions specified in OAC 3745-300-07(D)(3) for protecting groundwater do not apply to the upper saturated zone because COCs exceeded the unrestricted potable use standards.
4. The Site Conceptual Model presented as Table 8 identifies potential current and future exposures from groundwater. Exposure pathways may be eliminated by institutional controls which can be applied to the Property. These institutional controls must be implemented consistent with the requirements of OAC 3745-300-09 and OAC 3745-300-13 .

5.0 REPORT LIMITATIONS

The conclusions and recommendations presented herein are based on the level of effort and investigative techniques defined under the Scope of Work. Hull has conducted this investigation in a manner consistent with sound engineering practices and with professional judgment. No other warranty or guarantee, expressed or implied, is made. This report does not attempt to evaluate past or present compliance with federal, state and local environmental or land use laws and regulations, except to the extent the compliance relates to releases of hazardous substances or petroleum and to factors which may affect the eligibility of the Property under the Voluntary Action Program. Hull makes no guarantees regarding the completeness or accuracy of any information obtained in review of public or private files. Furthermore, this report is prepared for, and made available for the sole use of Hemisphere Development LLC and Apartment and Commercial Realty, and as otherwise provided in the Service Agreement among the parties; and the contents thereof may not be used or relied upon by any other person without the express written consent and authorization of Hemisphere Development LLC, Apartment and Commercial Realty and Hull.

6.0 REFERENCES

A variety of technical documents and publications were referred to during the course of this project. 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 not been strictly adhered to unless stated otherwise.

Smith, Kelly C., *Ground Water Pollution Potential of Erie County, Ohio*, Ohio Department of Natural Resources, Division of Water, Ground Water Resources Division, 1994.

Ohio Administrative Code 3745-300-07, *Phase II Property Assessment for the Voluntary Action Program*, 2002.

Well Log and Drilling Reports, Ohio Department of Natural Resources, Division of Water, 2002.

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 1

GROUNDWATER LEVEL MEASUREMENTS

MW ID	GROUND SURFACE ELEVATION ^a	TOP OF PVC	April 15, 2003		May 20, 2003	
			DEPTH TO WATER	ELEVATION OF WATER	DEPTH TO WATER	ELEVATION OF WATER
MW-1	94.95	94.65	2.38	92.27	2.80	91.85
MW-10	93.53	96.03	NM ^c	NM	6.69	87.96
MW-11	93.96	96.32	NM	NM	7.21	87.44
MW-12	94.07	96.36	NM	NM	10.9	83.75
MW-12D	NS ^b	NS	NM	NM	48.28	NM
MW-13	NS	NS	NM	NM	30.44	NM
MW-13D	NS	NS	NM	NM	67.12	NM
MW-1D	NS	NS	NM	NM	73.59	NM
MW-2	94.52	94.29	2.52	91.77	0.27	94.38
MW-3	94.61	94.46	2.09	92.37	0.01	94.64
MW-5	94.42	93.81	2.85	90.96	3.32	91.33
MW-6	95.53	94.47	2.97	91.5	4.32	90.33
MW-7	96.19	95.28	4.42	90.86	5.77	88.88
MW-8	96.10	95.56	2.32	93.24	1.83	92.82
MW-9	97.38	96.67	10.61	86.06	4.98	89.67
MW-9D	NS	NS	NM	NM	NM	NM

NOTES:

- a. Elevation measurements referenced to arbitrary on-Property datum = 100.00 feet
- b. NS Indicates the monitoring well was not surveyed.
- c. NM Indicates monitoring well was not measured.

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 4

SOIL ANALYTICAL RESULTS SUMMARY- METALS RESULTS

PARAMETER	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16	SB-17	SB-18	SB-19	SB-20
Arsenic	6.83	6.7	5.26	5.1	3.21	5.04	3.87	2.67	5.82	3.87	2.22	5.57	1.02	1.13	2.11	5.66	4.22	3.11	2.69	3.17
Barium	29.1	18.4	111	84.7	31.7	19.4	8.94	23.3	44.1	11.6	14	98	4.4	<4.5	<4.2	36.4	193	76.6	59.2	308
Cadmium	<2.1	<2.1	19.1	<4.8	<1.1	<2.2	<1	<1	<5.2	<1.2	8.3	107	<7.4	<6.7	<6.3	15.9	52	<2	42.5	238
Chromium	9	8.1	575	26.3	6.8	11.6	32	6.6	65.5	16.7	136	3440	35.2	<9	<8.4	15.5	293	156	665	4260
Cobalt	5.3	4.7	9.5	4.4	3.3	3.8	3.1	3	<3.5	2.7	<9.8	3.7	<4.9	<4.5	<4.2	4	6.4	6.2	2.3	7.5
Copper	11.6	11	2120	43.4	10.8	16	5.99	6.11	35.4	21.3	96.5	817	73.2	4.7	4.4	178	608	133	1450	2730
Lead	8.3	7.6	41.5	30	10	10	3.4	<2.7	21	4.2	<39	183	<19	<18	<17	125	264	22.6	20	1120
Mercury	0.03	0.022	0.09	0.092	0.024	0.072	<0.0084	<0.0074	0.055	<0.0082	0.015	0.061	0.012	<0.0071	0.038	1.26	0.132	0.065	0.034	0.167
Nickel	13	13.2	3320	75	8.96	13.6	8.6	7.4	39	14.8	65.2	752	14	8.2	6.9	60	556	58.5	447	6330
Selenium	<7.2	<7.1	<8.7	<16	<3.7	<7.4	<3.5	<3.5	<17	<3.9	<49	<12	<24	<22	<21	<14	<7.2	<6.8	<6.9	<11
Silver	<2.9	<2.9	<3.4	<6.3	<1.5	<3	<1.4	<1.4	<7	<1.5	<19	<4.7	<9.7	<9	<8.4	<5.7	3.1	<2.7	<2.7	<4.6
Zinc	30.7	31.2	494	468	59.4	97.1	25	478	287	74.3	37	4820	64.2	34	30	3150	2600	71.2	738	9550

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 4

SOIL ANALYTICAL RESULTS SUMMARY - METALS RESULTS

PARAMETER	SB-21	SB-22	SB-23	SB-24	SB-25	SB-26	SB-27	SB-28	SB-29	SB-30	SB-31	SB-32	SB-33	SB-34	SB-35	SB-36	SB-37	SB-38	SB-39	SB-40	SB-41	SB-42
Arsenic	1.2	10.3	3.98	3.26	2.26	3.79	5.08	6.1	4.57	7.89	4.9	0.778	0.877	10.7	12.1	8.86	9.71	2.69	4.1	5.61	6.05	5.01
Barium	6.4	226	13.1	87.4	17	39.9	82	93	75.7	69	74	7.4	<4.2	53	85.6	69.7	74.2	71.1	124	103	37.7	55.6
Cadmium	<6	8	7	<2.3	16	<2.3	<2.3	<2.3	<2.4	22.7	6.2	<10	<6.4	<2.5	<2.5	<2.4	<2.4	<2.4	<2.4	9.2	<2.4	9.4
Chromium	55.3	134	21.5	20.8	119	11	13.5	19.8	14.9	180	202	15	15	14	13	12	11	16.5	20.6	43.5	14.1	291
Cobalt	<4.1	<3.6	2.8	7	<3.6	4.6	7.1	9.8	9.2	4	5	<6.7	<4.2	11	10	12	8.5	6	12	5.5	6.1	4.2
Copper	60.2	237	84.9	25	60.4	5.1	11	20.1	14	249	89.6	14	6.8	20.6	25.4	21	18.6	28	21.8	353	60.3	120
Lead	<17	180	<5.4	12	19	10	9.7	16.5	9.8	136	51.7	<27	<17	13.2	15.4	15.3	12.3	20.9	14.4	333	12	94.9
Mercury	0.009	0.116	<0.0083	0.029	0.016	0.034	0.028	0.029	0.036	0.07	0.086	0.018	<0.0087	0.0202	0.0236	0.0227	0.023	0.0335	0.028	0.117	0.0275	0.0986
Nickel	33.7	53.2	17.9	21	43.6	9	22.7	21.2	27.4	225	109	9.1	5.1	20.9	30.3	29	23.4	18.2	30.8	94	19.9	89.1
Selenium	<21	<18	<6.8	<7.8	<18	<7.5	<7.7	<7.8	<8	<7.7	<7.9	<33	<22	<8.4	<8.3	<8.1	<8	<8	<8.1	<8.4	<8.1	<8.2
Silver	<8.1	<7.2	<2.7	<3.1	<7.1	<3	<3	<3.2	<3.2	<3.1	<3.1	<14	<8.6	<3.4	<3.3	<3.3	<3.2	<3.3	<3.3	<3.3	<3.2	<3.3
Zinc	352	772	158	31	1520	27.1	40.1	46.2	42.9	437	380	88	156	48.4	71.8	49.8	44	78	56.7	1110	87.5	492

NOTES:

- Units are in ppm (mg/kg).
- BOLD** Indicates parameter exceeds laboratory Practical Quantitative Limit (PQL)
- Shading** indicates the parameter exceeds Ohio VAP Generic Direct Contact Standard for either Commercial/Industrial Use or Construction/Excavation Worker scenario at the concentration listed.
- NS** Indicates that the parameter was not sampled at the location noted.

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 6

GROUNDWATER ANALYTICAL RESULTS SUMMARY- PAH RESULTS

PARAMETER	VAP UPUS	MW-1	MW-2	MW-3	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-1D	MW-9D	MW-12D	MW-13D
Acenaphthene	680	<1	<1	<1.08	<1	<1.06	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene		<1	<1	<1.08	<1	<1.06	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	2600	<1	<1	<1.08	<1	<1.06	<1	<1	<1	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(A)Anthracene		<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	<0.2	<0.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(A)Pyrene	0.2	<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	<0.2	<0.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(B)Fluoranthene		<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	<0.2	<0.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(GH)Perylene		<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	<0.2	<0.2	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(K)Fluoranthene		<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	<0.2	<0.2	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	47	<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	<0.2	<0.2	NS	NS	NS	NS	NS	NS	NS	NS
Dibenz(A,H)Anthracene		<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	<0.2	<0.2	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	370	<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	<0.2	<0.2	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	500	<1	<1	<1.08	<1	2.79	0.22	0.5	0.22	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-Cd)pyrene		<0.2	<0.2	<0.22	<0.2	<0.21	<0.2	1.96	5.14	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	140	<50	<5	<5	<25	7.12	<5	<5	<50	<5	<5	<5	<5	<5	<5	<5	<5
Phenanthrene		<1	<1	<1.08	<1	2.83	<1	1.16	1.03	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	280	<0.2	<0.2	<0.22	<0.2	1.12	0.34	0.6	0.4	NS	NS	NS	NS	NS	NS	NS	NS

NOTES:

- a. Units are in ppb (ug/L).
- b. **BOLD** indicates parameter exceeds laboratory PQL.
- c. **Shading** indicates parameter exceeds Ohio VAP Generic and Risk-Derived Unrestricted Potable Use Standards at the concentration listed.

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 7

GROUNDWATER ANALYTICAL RESULTS SUMMARY - xxx RESULTS

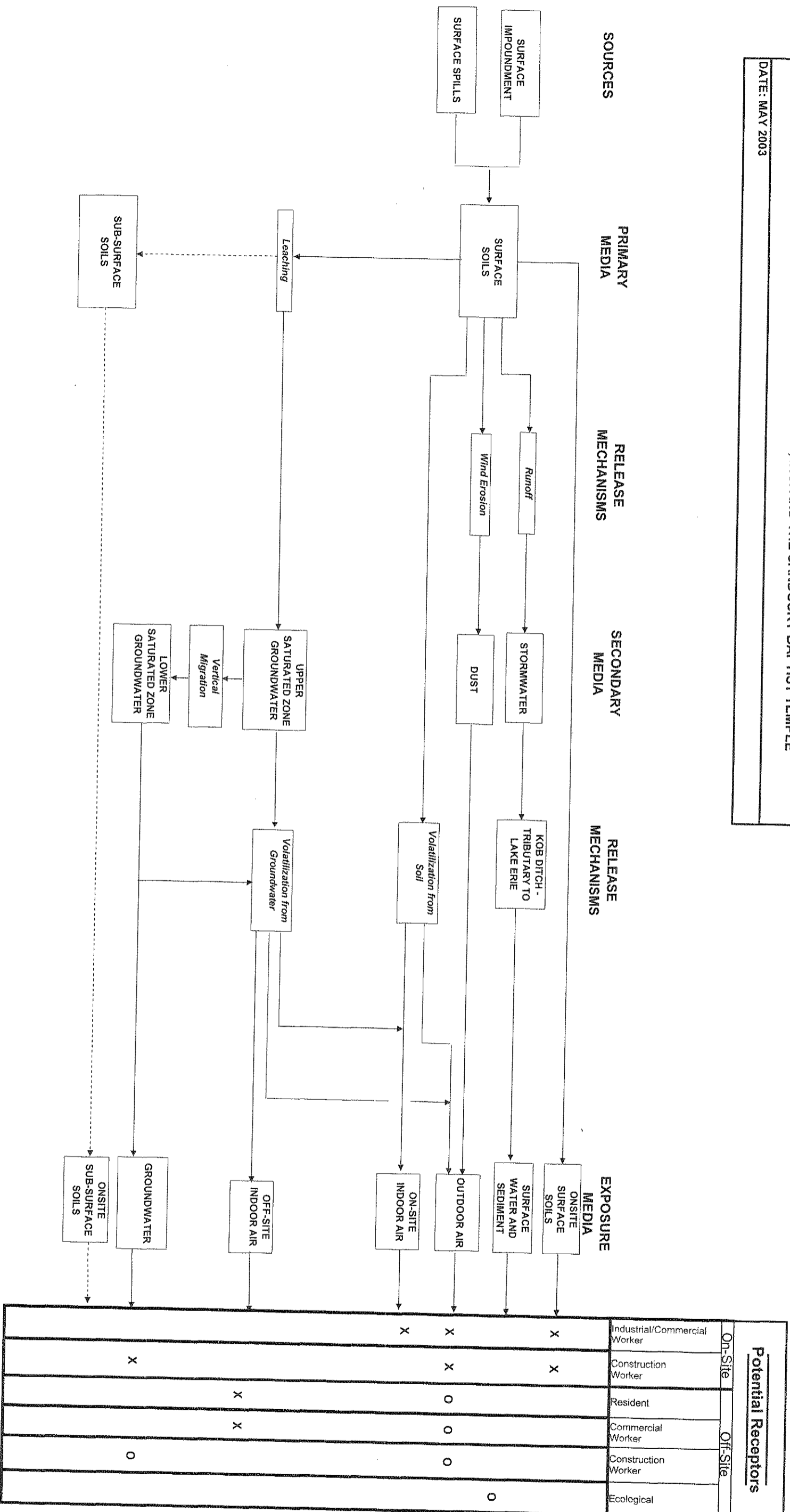
PARAMETER	VAP UPUS	MW-1	MW-2	MW-3	MW-5	MW-6	MW-7	MW-8	MW-9	MW-10	MW-11	MW-12	MW-13	MW-1D	MW-9D	MW-12D	MW-13D
Arsenic	0.05	<0.01	0.0159	0.0151	<0.005	0.0052	0.0072	<0.005	<0.005	<0.005	<0.005	<0.005	NS	0.0185	0.0535	0.0225	0.192
Barium	2	0.0551	0.101	0.289	0.136	0.184	0.159	0.11	0.0953	0.112	0.0543	0.125	NS	0.138	0.183	0.164	1.65
Cadmium	0.005	0.0124	<0.001	<0.002	0.0102	<0.001	0.0012	0.0021	<0.001	<0.001	<0.001	0.0079	NS	0.0013	0.0545	0.0096	<0.001
Chromium	0.1	0.0328	0.0059	0.0311	0.171	0.0459	0.388	0.0286	0.0185	0.014	0.015	0.514	NS	0.0538	1.78	0.648	0.141
Cobalt		0.0088	0.0086	0.0128	0.0083	0.0056	0.0092	0.0058	0.0056	<0.005	<0.005	<0.005	NS	0.0099	0.22	0.0145	0.0354
Copper		0.0171	0.0224	<0.005	0.092	0.0535	0.287	0.0383	0.0555	0.088	0.0656	0.167	NS	0.174	3.23	0.468	0.178
Lead	0.015	0.0014	0.0019	0.0032	0.0077	0.0169	0.0108	0.0035	0.0034	0.0052	<0.001	0.0096	NS	0.0114	0.167	0.0374	0.981
Mercury	0.002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	NS	<0.0002	0.0009	<0.0002	0.0005
Nickel	0.1	0.46	0.914	0.171	0.119	0.0478	0.646	0.152	0.0806	0.149	0.22	1.11	NS	0.111	2.53	0.307	0.188
Selenium	0.05	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	NS	<0.005	0.0062	0.0057	<0.005
Silver		<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.003	NS	<0.0005	<0.0005	0.0015	<0.0005
Sodium		NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	49.7	130	37.2	466
Zinc		0.345	<0.05	0.334	0.146	0.06	0.08	0.074	<0.05	<0.05	<0.05	0.516	NS	0.359	0.711	0.577	0.908

NOTES:

- Units are in ppm (mg/L).
- BOLD** indicates parameter exceeds laboratory PQL.
- Shading indicates parameter exceeds Ohio VAP Generic and Risk-Derived Unrestricted Potable Use Standards at the concentration listed.

SITE CONCEPTUAL MODEL
CURRENT AND FUTURE LAND USE
PROPERTY INCLUDING BECHTEL-McLAUGHLIN, INC. AND THE SANDUSKY BAPTIST TEMPLE

DATE: MAY 2003



Exposure Media	Potential Receptors				
	On-Site	Off-Site	Resident	Commercial Worker	Ecological
ON-SITE SURFACE SOILS	X				
SURFACE WATER AND SEDIMENT	X				
OUTDOOR AIR	X		O	O	
ON-SITE INDOOR AIR	X				
OFF-SITE INDOOR AIR			X	X	
GROUNDWATER					O
ON-SITE SUB-SURFACE SOILS					

-----> Dashed line represents incomplete pathway due to shallow bedrock at 4 feet bgs.
 X = Complete pathway with potentially significant exposure
 O = Complete pathway with insignificant exposure
 = Incomplete pathway
 Assumes property use restrictions do not allow residential use
 No important ecological receptors identified on property

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 9

CUMULATIVE RISK RATIO EVALUATION - COMMERCIAL/INDUSTRIAL USE SCENARIO - PRE REMEDIATION

Parameter	Location	Depth	Max Concentration	Non-carcinogen	Carcinogen	Soil Saturation	Generic Direct Contact	Non-carcinogenic Risk Ratio	Carcinogenic Risk Ratio
1,2,4-Trimethylbenzene	SB14	0.0 - 2.0	0.0155	210		250	210	0.000074	
1,2-Dichlorobenzene	SB12	0.0 - 2.0	0.0248	1,400.00		370	370	0.000018	
Acetone	SB20	4.0 - 6.0	0.323	250,000.00		100,000.00	100,000.00	0.000001	
Aroclor 1254	SB30	2.0 - 3.0	0.0825	16	23		16	0.005156	0.003587
Arsenic	SB35	4.0 - 5.0	12.1	590	80		80	0.020508	0.15125
Barium	SB20	4.0 - 6.0	308	200,000.00			200,000.00	0.00154	
Benzene	SB6	2.0 - 3.5	0.011	100	320	900	100	0.00011	0.000034
Benzo(B)Fluoranthene	SB17	2.0 - 3.0	0.797		63		63		0.012651
Benzo(K)Fluoranthene	SB9	0.0 - 2.0	0.262		630		630		0.000416
Benzo(a)anthracene	SB9	0.0 - 2.0	0.461		63		63		0.007317
Benzo(a)pyrene	SB9	0.0 - 2.0	0.422		6.3		6.3		0.066984
Cadmium	SB20	4.0 - 6.0	238	770	190,000.00		770	0.309091	0.001253
Chromium(VI)	SB20	4.0 - 6.0	4,260.00	8,900.00	28,000.00		8,900.00	0.478652	0.152143
Chrysene	SB9	0.0 - 2.0	0.477		6,700.00		6,700.00		0.000071
Cis-1,2Dichloroethylene	SB17	2.0 - 3.0	0.0818	29,000.00		1,200.00	1,200.00	0.000003	
Cobalt	SB39	2.0 - 3.0	12	40,000.00		40,000.00	40,000.00	0.0003	
Cyanide	SB22	0.0 - 2.0	501	60,000.00		60,000.00	60,000.00	0.00835	
Fluoranthene	SB9	0.0 - 2.0	0.979	33,000.00		33,000.00	33,000.00	0.00003	
Mercury	SB16	2.0 - 3.0	1.26	300			300	0.0042	
Methyl Ethyl Ketone	SB15	4.0 - 5.0	0.0747	7,400.00		16,000.00	7,400.00	0.00001	
Nickel	SB20	4.0 - 6.0	6,330.00	57,000.00		57,000.00	57,000.00	0.111053	
Pyrene	SB9	0.0 - 2.0	0.956	25,000.00		25,000.00	25,000.00	0.000038	
Tetrachloroethene	SB16	2.0 - 3.0	34.7	3,200.00	1,000.00	370	370	0.010844	0.0347
Toluene	SB12	0.0 - 2.0	0.0072	5,900.00		520	520	0.000001	
Trichloroethene	SB16	2.0 - 3.0	1.97	18,000.00	380	800	380	0.000109	0.005184
Xylenes	SB12	0.0 - 2.0	0.0222	6,400.00		160	160	0.000003	
Zinc	SB20	4.0 - 6.0	9,550.00	900,000.00		900,000.00	900,000.00	0.010611	
TOTALS								0.960703	0.43559

0 TO 2 FOOT POINT OF COMPLIANCE AND 1X10-5 RISK GOAL

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 10

CUMULATIVE RISK RATIO EVALUATION - CONSTRUCTION/ EXCAVATION WORKER SCENARIO - PRE REMEDIATION

Parameter	Depth	Max Concentration	Location	Non-carcinogen	Carcinogen	Soil Saturation	Generic Direct Contact	Non-carcinogenic Risk Ratio	Carcinogenic Risk Ratio
1,2,4-Trimethylbenzene	0.0 - 2.0	0.0155	SB14	230		250	230	0.000067	
1,2-Dichlorobenzene	0.0 - 2.0	0.0248	SB12	75,000.00		370	370	0	
Acetone	4.0 - 6.0	0.323	SB20	580,000.00		100,000.00	100,000.00	0.000001	
Aroclor 1254	2.0 - 3.0	0.0825	SB30	25	140		25	0.0033	0.000589
Arsenic	4.0 - 5.0	12.1	SB35	210	300		210	0.057619	0.040333
Barium	4.0 - 6.0	308	SB20	45,000.00			45,000.00	0.006844	
Benzene	2.0 - 3.5	0.011	SB6	310	3,700.00	900	310	0.000035	0.000003
Benzo(B)Fluoranthene	2.0 - 3.0	0.797	SB17		810		810		0.000984
Benzo(K)Fluoranthene	0.0 - 2.0	0.262	SB9		8,100.00		8,100.00		0.000032
Benzo(a)anthracene	0.0 - 2.0	0.461	SB9		810		810		0.000569
Benzo(a)pyrene	0.0 - 2.0	0.422	SB9		81		81		0.00521
Cadmium	4.0 - 6.0	238	SB20	420	14,000.00		420	0.566667	0.017
Chromium(VI)	4.0 - 6.0	4,260.00	SB20	12,000.00	2,000.00		2,000.00	0.355	2.13
Chrysene	0.0 - 2.0	0.477	SB9		41,000.00		41,000.00		0.000012
Cis-1,2Dichloroethylene	2.0 - 3.0	0.0818	SB17	85,000.00		1,200.00	1,200.00	0.000001	
Cobalt	2.0 - 3.0	12	SB39	660			660	0.018182	
Cyanide	0.0 - 2.0	501	SB22	17,000.00			17,000.00	0.029471	
Fluoranthene	0.0 - 2.0	0.979	SB9	170,000.00			170,000.00	0.000006	
Mercury	2.0 - 3.0	1.26	SB16	84			84	0.015	
Methyl Ethyl Ketone	4.0 - 5.0	0.0747	SB15	74,000.00		16,000.00	16,000.00	0.000001	
Nickel	4.0 - 6.0	6,330.00	SB20	5,000.00			5,000.00	1.266	
Pyrene	0.0 - 2.0	0.956	SB9	130,000.00			130,000.00	0.000007	
Tetrachloroethene	2.0 - 3.0	34.7	SB16	28,000.00	2,400.00	370	370	0.001239	0.014458
Toluene	0.0 - 2.0	0.0072	SB12	24,000.00		520	520	0	
Trichloroethene	2.0 - 3.0	1.97	SB16	51,000.00	4,500.00	800	800	0.000039	0.000438
Xylenes	0.0 - 2.0	0.0222	SB12	7,000.00		160	160	0.000003	
Zinc	4.0 - 6.0	9,550.00	SB20	260,000.00			260,000.00	0.036731	
TOTALS							2.356214	2.209629	

*0 TO 5 FOOT POINT OF COMPLIANCE AND 1X10-5 RISK GOAL

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 11

CUMULATIVE RISK RATIO EVALUATION - CONSTRUCTION/ EXCAVATION WORKER SCENARIO - POST REMEDIATION

Parameter	Depth	Max Concentration	Location	Non-carcinogen	Carcinogen	Soil Saturation	Genetic Direct Contact	Non-carcinogenic Risk Ratio	Carcinogenic Risk Ratio
1,2,4-Trimethylbenzene	0.0 - 2.0	0.0155	SB14	230		250	230	0.000067	
1,2-Dichlorobenzene	0.0 - 2.0	0.0067	SB21	75,000.00		370	370	0	
Acetone	4.0 - 5.0	0.247	SB15	580,000.00		100,000.00	100,000.00	0	
Aroclor 1254	2.0 - 3.0	0.0825	SB30	25	140		25	0.0033	0.000589
Arsenic	4.0 - 5.0	12.1	SB35	210	300		210	0.057619	0.040333
Barium	0.0 - 2.0	226	SB22	45,000.00			45,000.00	0.005022	
Benzene	2.0 - 3.5	0.011	SB6	310	3,700.00	900	310	0.000035	0.000003
Benzo(B)Fluoranthene	2.0 - 3.0	0.797	SB17		810		810		0.000984
Benzo(K)Fluoranthene	0.0 - 2.0	0.262	SB9		8,100.00		8,100.00		0.000032
Benzo(a)anthracene	0.0 - 2.0	0.461	SB9		810		810		0.000569
Benzo(a)pyrene	0.0 - 2.0	0.422	SB9		81		81		0.00521
Cadmium	2.0 - 3.0	52	SB17	420	14,000.00		420	0.12381	0.003714
Chromium(VI)	4.0 - 6.0	665	SB19	12,000.00	2,000.00		2,000.00	0.055417	0.3325
Chrysene	0.0 - 2.0	0.477	SB9		41,000.00		41,000.00		0.000012
Cis-1,2Dichloroethylene	2.0 - 3.0	0.0818	SB17	85,000.00		1,200.00	1,200.00	0.000001	
Cobalt	2.0 - 3.0	12	SB39	660			660	0.018182	
Cyanide	0.0 - 2.0	501	SB22	17,000.00			17,000.00	0.029471	
Fluoranthene	0.0 - 2.0	0.979	SB9	170,000.00			170,000.00	0.000006	
Mercury	2.0 - 3.0	1.26	SB16	84			84	0.015	
Methyl Ethyl Ketone	4.0 - 5.0	0.0747	SB15	74,000.00		16,000.00	16,000.00	0.000001	
Nickel	2.0 - 3.5	3,320.00	SB3	5,000.00			5,000.00	0.664	
Pyrene	0.0 - 2.0	0.956	SB9	130,000.00			130,000.00	0.000007	
Tetrachloroethene	2.0 - 3.0	34.7	SB16	28,000.00	2,400.00	370	370	0.001239	0.014458
Trichloroethene	2.0 - 3.0	1.97	SB16	51,000.00	4,500.00	800	800	0.000039	0.000438
Xylenes	0.0 - 2.0	0.0117	SB14	7,000.00		160	160	0.000002	
Zinc	2.0 - 3.0	3,150.00	SB16	260,000.00			260,000.00	0.012115	
TOTALS								0.985333	0.398843

NOTES:

* 0 to 5 FOOT POINT OF COMPLIANCE AND 1X10-5 RISK GOAL

a. Parameters removed include: SB-20 and SB-12

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 2

SOIL ANALYTICAL RESULTS SUMMARY- VOC RESULTS

PARAMETERS	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24	
Methylene Chloride	<0.0112	<0.0111	<0.0132	<0.012	<0.0112	<0.0115	<0.0105	<0.0105	<0.0109	<0.0118	<0.0108	<0.0118	<0.0108	<0.0102	<0.0105	<0.0109	<0.0111	<0.0102	<0.0104	<0.0118	<0.0104	<0.0108	<0.0104	<0.0104	<0.012
N-Butylbenzene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
N-Propylbenzene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Naphthalene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	<0.163	<0.176	<0.162	<0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
P-Isopropyltoluene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Sec-Butylbenzene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Styrene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Tert-Butylbenzene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Tetrachloroethene	0.0074	<0.0055	0.942	0.0061	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	0.0126	<0.0054	0.0125	<0.0054	0.0077	0.0322	<0.0054	0.0364	0.0525	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Toluene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	0.0072	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Trans-1,2-Dichloroethene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Trans-1,3-Dichloropropene	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Trichloroethene	0.0351	<0.0055	0.011	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Trichlorofluoromethane	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	1.97	0.0182	0.0409	0.0358	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Vinyl Acetate	<0.0056	<0.0055	<0.0066	<0.006	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
Vinyl Chloride	<0.0022	<0.0022	<0.0026	<0.0024	<0.0022	<0.0023	<0.0021	<0.0021	<0.0022	<0.0024	<0.0022	<0.0024	<0.0024	<0.0022	<0.0021	<0.0022	<0.0021	<0.002	<0.0021	<0.0024	<0.0021	<0.0022	<0.0021	<0.0021	<0.006
Xylenes, Total	<0.0056	<0.0055	<0.0066	<0.006	0.0083	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	0.0222	<0.0054	0.0222	<0.0054	<0.0054	0.0117	<0.0052	<0.0054	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.006
N-Hexane	<0.0225	<0.0222	<0.0265	<0.0239	<0.0224	<0.023	<0.0211	<0.0211	<0.0218	<0.0235	<0.0216	<0.0236	<0.0216	<0.0204	<0.021	<0.0217	<0.0221	<0.0205	<0.0208	<0.0237	<0.0208	<0.0216	<0.0208	<0.0208	<0.024

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 2

SOIL ANALYTICAL RESULTS SUMMARY- VOC RESULTS

PARAMETERS	SB-25	SB-26	SB-27	SB-28	SB-29	SB-30	SB-31	SB-32	SB-33	SB-34	SB-35	SB-36	SB-37	SB-38	SB-39	SB-40	SB-41	SB-42
Methylene Chloride	<0.0108	<0.0116	<0.012	<0.0121	<0.0119	<0.0118	<0.012	<0.0104	<0.0109	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Butylbenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Propylbenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS
P-Isopropyltoluene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Sec-Butylbenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Styrene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tert-Butylbenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Tetrachloroethene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	0.0128	<0.006	0.0063	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Toluene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trans-1,2-Dichloroethene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trans-1,3-Dichloropropene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichloroethene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Trichlorofluoromethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl Acetate	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Vinyl Chloride	<0.0022	<0.0023	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	<0.0024	<0.0022	NS	NS	NS	NS	NS	NS	NS	NS	NS
Xylenes, Total	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
N-Hexane	<0.0216	<0.0232	<0.024	<0.0242	<0.0238	<0.0237	<0.024	<0.0209	<0.0217	NS	NS	NS	NS	NS	NS	NS	NS	NS

NOTES:

- a. Units are in ppb (ug/kg).
- b. **BOLD** Indicates parameter exceeds laboratory Practical Quantitative Limit (PQL)
- c. **Shading** indicates the parameter exceeds Ohio VAP Generic Direct Contact Standard for either Commercial/Industrial Use or Construction/Excavation Worker scenario at the concentration listed.
- d. NS Indicates that the parameter was not sampled at the location noted.

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
 PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 2

SOIL ANALYTICAL RESULTS SUMMARY- VOC RESULTS

PARAMETERS	SB-25	SB-26	SB-27	SB-28	SB-29	SB-30	SB-31	SB-32	SB-33	SB-34	SB-35	SB-36	SB-37	SB-38	SB-39	SB-40	SB-41	SB-42
1,1,1,2-Tetrachloroethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,1-Trichloroethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2,2-Tetrachloroethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1,2-Trichloroethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloroethene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,1-Dichloropropene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,3-Trichloropropane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trichlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2,4-Trimethylbenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-Chloropropane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloroethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichloropropene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3,5-Trimethylbenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichloropropane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
2,2-Dichloropropane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Butanone	<0.054	<0.058	<0.06	<0.061	<0.06	<0.059	<0.06	<0.052	<0.054	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Chlorotoluene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
2-Hexanone	<0.0541	<0.058	<0.0601	<0.0606	<0.0595	<0.0592	<0.0599	<0.0522	<0.0543	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Chlorotoluene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
4-Methyl-2-Pentanone	<0.0541	<0.058	<0.0601	<0.0606	<0.0595	<0.0592	<0.0599	<0.0522	<0.0543	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acetone	<0.108	<0.116	<0.12	<0.121	<0.119	<0.118	<0.12	<0.104	<0.109	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromochloromethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromodichloromethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromoforn	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Bromomethane	<0.0108	<0.0116	<0.012	<0.0121	<0.0119	<0.0118	<0.012	<0.0104	<0.0109	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon Disulfide	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Carbon Tetrachloride	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroethane	<0.0108	<0.0116	<0.012	<0.0121	<0.0119	<0.0118	<0.012	<0.0104	<0.0109	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloroform	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chloromethane	<0.0108	<0.0116	<0.012	<0.0121	<0.0119	<0.0118	<0.012	<0.0104	<0.0109	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cis-1,2-Dichloroethene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Cis-1,3-Dichloropropene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromochloromethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibromomethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dichlorodifluoromethane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Ethylbenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Isopropylbenzene(CUMENE)	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS
Methyl T-Butyl Ether(MTBE)	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY - PAH RESULTS

PARAMETER GROUPS	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6	SB-7	SB-8	SB-9	SB-10	SB-11	SB-12	SB-13	SB-14	SB-15	SB-16	SB-17	SB-18	SB-19	SB-20	SB-21	SB-22	SB-23	SB-24	
PCBs																									
Aroclor 1016	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1221	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1232	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1242	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1248	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1254	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHs																									
1,2,4-Trichlorobenzene	<0.0056	<0.0055	<0.0066	<0.0066	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.0066
1,2-Dibromo-3-Chloropropane	<0.0056	<0.0055	<0.0066	<0.0066	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.0066
1,2-Dichlorobenzene	<0.0056	<0.0055	<0.0066	<0.0066	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	0.0248	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	0.0063	0.0067	<0.0054	<0.0052	<0.0052	<0.0066
1,3-Dichlorobenzene	<0.0056	<0.0055	<0.0066	<0.0066	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	0.0063	0.0067	<0.0054	<0.0052	<0.0052	<0.0066
1,4-Dichlorobenzene	<0.0056	<0.0055	<0.0066	<0.0066	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	0.0063	0.0067	<0.0054	<0.0052	<0.0052	<0.0066
Acenaphthene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	<0.163	<0.176	<0.162	<0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Acenaphthylene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	<0.163	<0.176	<0.162	<0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Anthracene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	<0.163	<0.176	<0.162	<0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Benzol(A)Anthracene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.461	<0.176	<0.162	0.28	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Benzol(A)Pyrene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.422	<0.176	<0.162	0.305	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Benzol(B)Fluoranthene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.691	<0.176	<0.162	0.41	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	0.219	<0.156	<0.162	<0.156	<0.156	<0.18
Benzol(GH)Perylene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.262	<0.176	<0.162	0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Benzol(K)Fluoranthene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.262	<0.176	<0.162	0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Benzol(GH)Perylene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.691	<0.176	<0.162	0.41	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	0.219	<0.156	<0.162	<0.156	<0.156	<0.18
Benzol(K)Fluoranthene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.262	<0.176	<0.162	0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Chrysene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.477	<0.176	<0.162	0.292	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Dibenz(AH)Anthracene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.979	<0.176	<0.162	0.521	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Fluoranthene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.979	<0.176	<0.162	0.521	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Hexachlorobutadiene	<0.0056	<0.0055	<0.0066	<0.0066	<0.0056	<0.0058	<0.0053	<0.0053	<0.0054	<0.0059	<0.0054	<0.0059	<0.0054	<0.0051	<0.0052	<0.0054	<0.0055	<0.0051	<0.0052	<0.0059	<0.0052	<0.0054	<0.0052	<0.0052	<0.0066
Indeno(1,2,3-Cd)pyrene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	<0.163	<0.176	<0.162	<0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Naphthalene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	<0.163	<0.176	<0.162	<0.177	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Phenanthrene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.589	<0.176	<0.162	0.266	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18
Pyrene	<0.169	<0.166	<0.199	<0.179	<0.168	<0.173	<0.158	<0.158	0.956	<0.176	<0.162	0.549	<0.162	<0.153	<0.157	<0.163	<0.166	<0.154	<0.156	<0.178	<0.156	<0.162	<0.156	<0.156	<0.18

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY INCLUDING BECHTEL-MCLAUGHLIN FACILITY AND BAPTIST TEMPLE

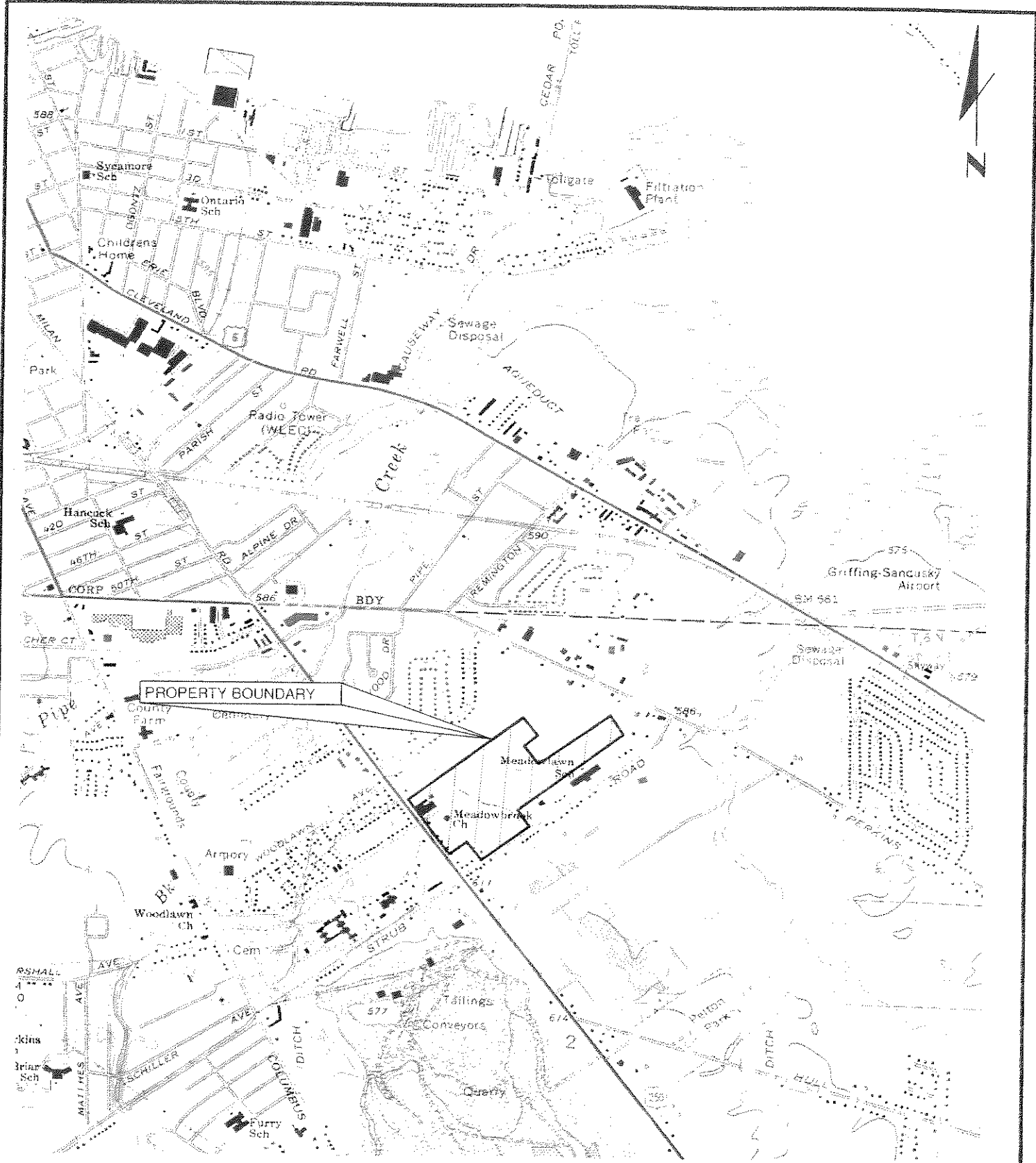
TABLE 3

SOIL ANALYTICAL RESULTS SUMMARY - PAH RESULTS

PARAMETER GROUPS	SB-25	SB-26	SB-27	SB-28	SB-29	SB-30	SB-31	SB-32	SB-33	SB-34	SB-35	SB-36	SB-37	SB-38	SB-39	SB-40	SB-41	SB-42	
PCBS																			
Aroclor 1016	NS	NS	NS	NS	NS	<0.0197	<0.0199	<0.0173	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1221	NS	NS	NS	NS	NS	<0.0395	<0.0399	<0.0348	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1232	NS	NS	NS	NS	NS	<0.0197	<0.0199	<0.0173	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1242	NS	NS	NS	NS	NS	<0.0197	<0.0199	<0.0173	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1248	NS	NS	NS	NS	NS	<0.0197	<0.0199	<0.0173	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1254	NS	NS	NS	NS	NS	0.0825	0.0255	<0.0173	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Aroclor 1260	NS	NS	NS	NS	NS	<0.0197	<0.0199	<0.0173	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
PAHS																			
1,2,4-Trichlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dibromo-3-Chloropropane	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,2-Dichlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,3-Dichlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
1,4-Dichlorobenzene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Acenaphthylene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Anthracene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(A)Anthracene	<0.162	<0.174	<0.18	<0.182	<0.179	0.181	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(A)Pyrene	<0.162	<0.174	<0.18	<0.182	<0.179	0.184	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(B)Fluoranthene	<0.162	<0.174	<0.18	<0.182	<0.179	0.312	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(GH)Perylene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Benzo(K)Fluoranthene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Chrysene	<0.162	<0.174	<0.18	<0.182	<0.179	0.192	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Dibenz(AH)Anthracene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluoranthene	<0.162	<0.174	<0.18	<0.182	<0.179	0.379	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Fluorene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Hexachlorobutadiene	<0.0054	<0.0058	<0.006	<0.0061	<0.006	<0.0059	<0.006	<0.0052	<0.0054	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Indeno(1,2,3-Cd)pyrene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Naphthalene	<0.162	<0.174	<0.18	<0.182	<0.179	<0.178	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Phenanthrene	<0.162	<0.174	<0.18	<0.182	<0.179	0.416	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
Pyrene	<0.162	<0.174	<0.18	<0.182	<0.179	0.751	<0.18	<0.157	<0.163	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS

NOTES:

- a. Units are in ppb (ug/kg).
- b. **BOLD** Indicates parameter exceeds laboratory Practical Quantitative Limit (PQL)
- c. Shading indicates the parameter exceeds Ohio VAP Generic Direct Contact Standard for either Commercial/Industrial Use or Construction/Excavation Worker scenario at the concentration listed.
- d. NS Indicates that the parameter was not sampled at the location noted.

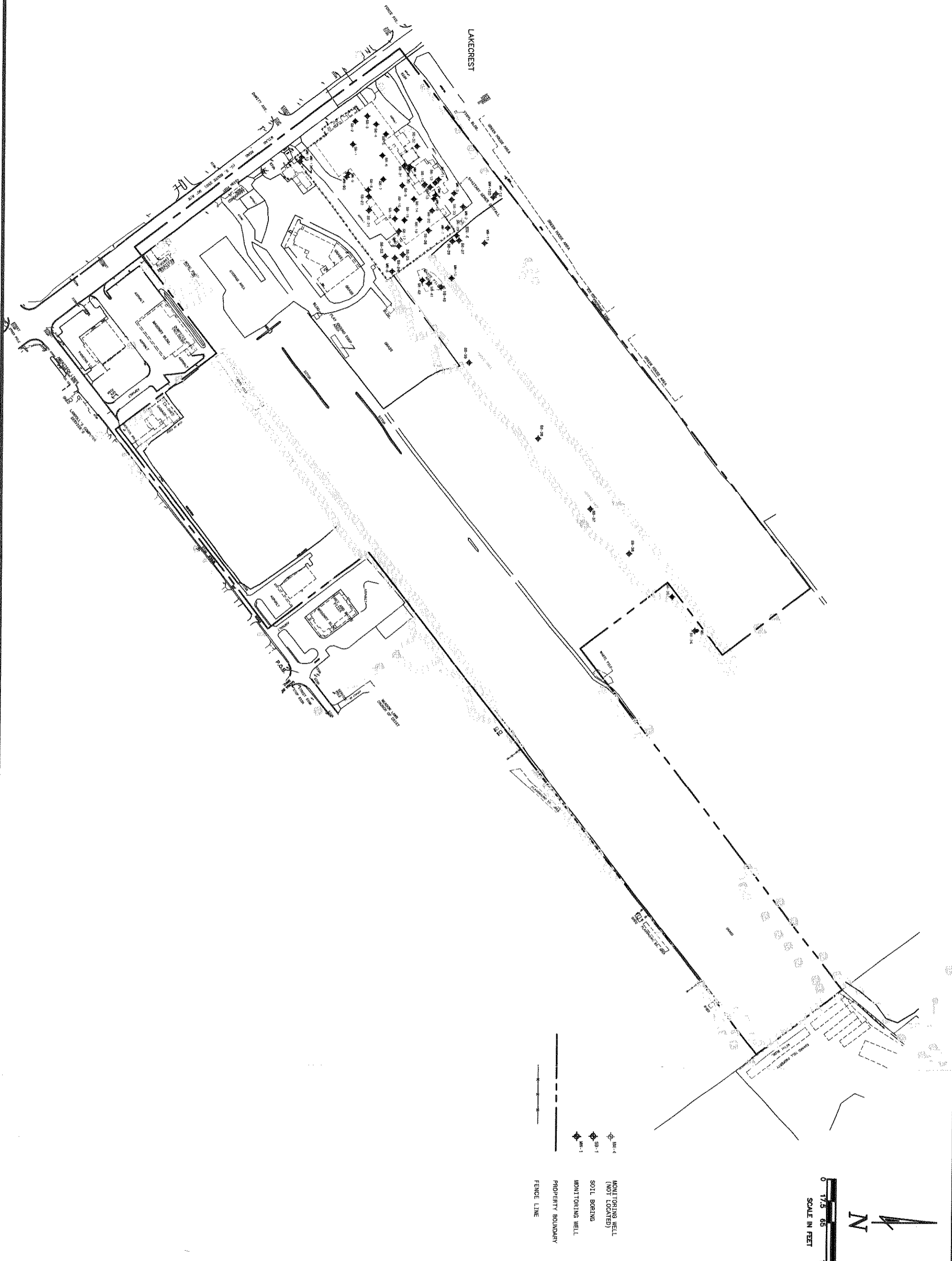


SCALE 1" = 2000'
 SOURCE: USGS 7.5 MIN QUADRANGLE

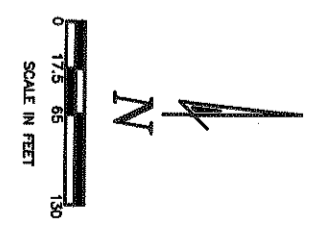
SANDUSKY, OH 1969
 (PHOTOREVISED 1979)

QUADRANGLE LOCATION

FIGURE 1 HULL & ASSOCIATES, INC. SOLON, OHIO
VAP ENVIRONMENTAL PROPERTY ASSESSMENT
PROPERTY LOCATION MAP
SANDUSKY, OHIO
DATE: MAY 2003



- MONITORING WELL (NOT LOCATED)
- SOIL BORINGS
- MONITORING WELL
- PROPERTY BOUNDARY
- FENCE LINE



VAP PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
 U.S. ROUTE 250 & STRUB ROAD
 SANDUSKY, ERIE COUNTY, OHIO

OWNER:
 APARTMENT & COMMERCIAL REALTY
 7850 FREEWAY CIRCLE
 CLEVELAND, OHIO 44130

REGISTERED ENGINEER _____
 DATE _____

Hull
 & associates, inc.
 ENGINEERS | GEOLOGISTS | SCIENTISTS | SURVEYORS | PLANNERS

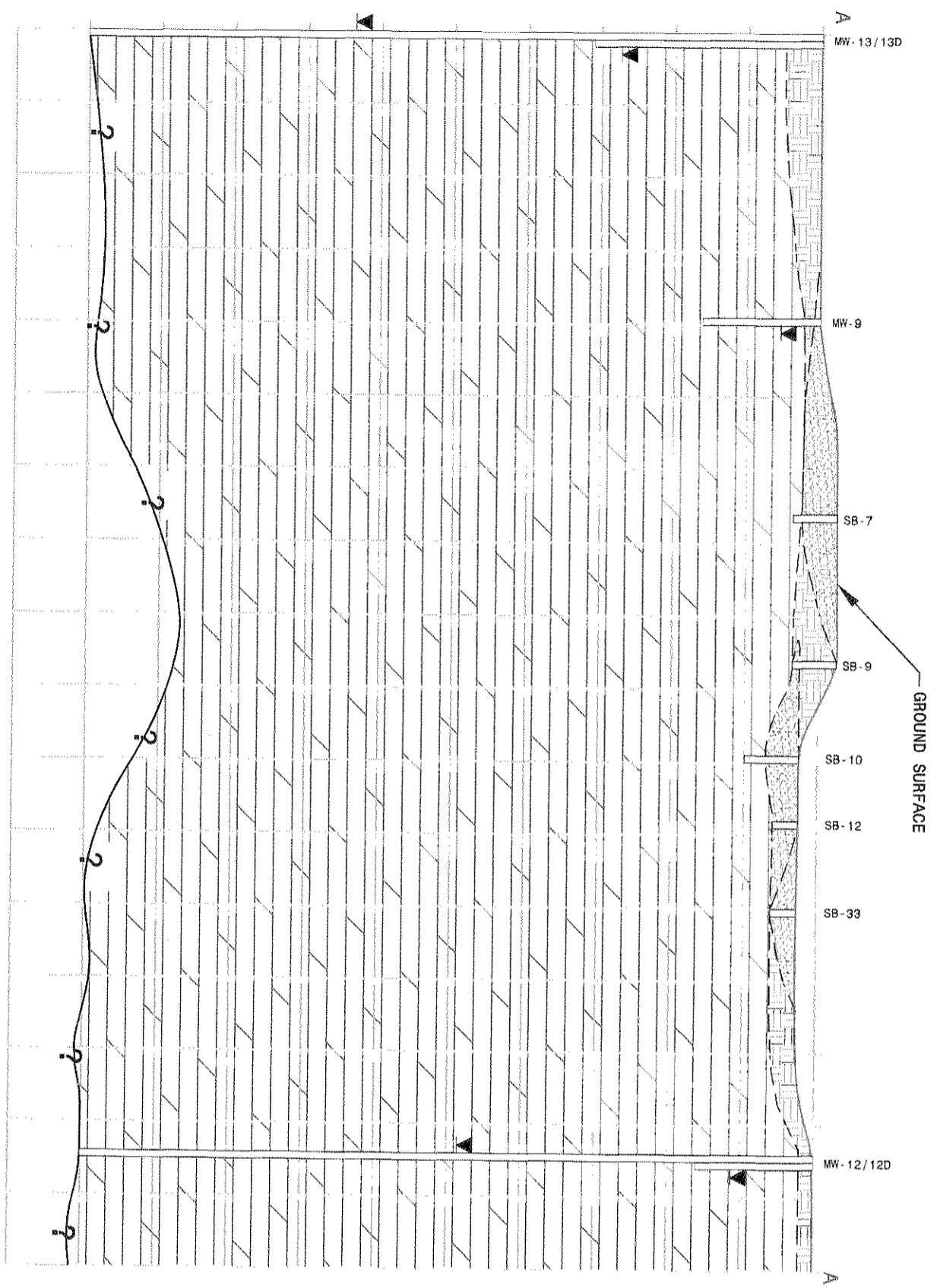
6161 COCHRAN ROAD SUITE A SOLOON, OHIO 44139
 PHONE: (440) 519-2555 FAX: (440) 519-2560
 www.hullinc.com

MARK	DATE	DESCRIPTION

PROJECT NO.: HENW02
 GEO. DWG. FILE: HENW02_000.DWG
 PLOT DATE: 5/29/05
 DRAWN BY: _____
 CHECKED BY: _____
 SCALE: 1" = 130'
 SUBMITTAL DATE: MAY 2005

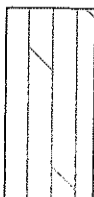



FIGURE 2
 PROPERTY PLAN

© 2005 HULL & ASSOCIATES, INC.
 SHEET 11/12

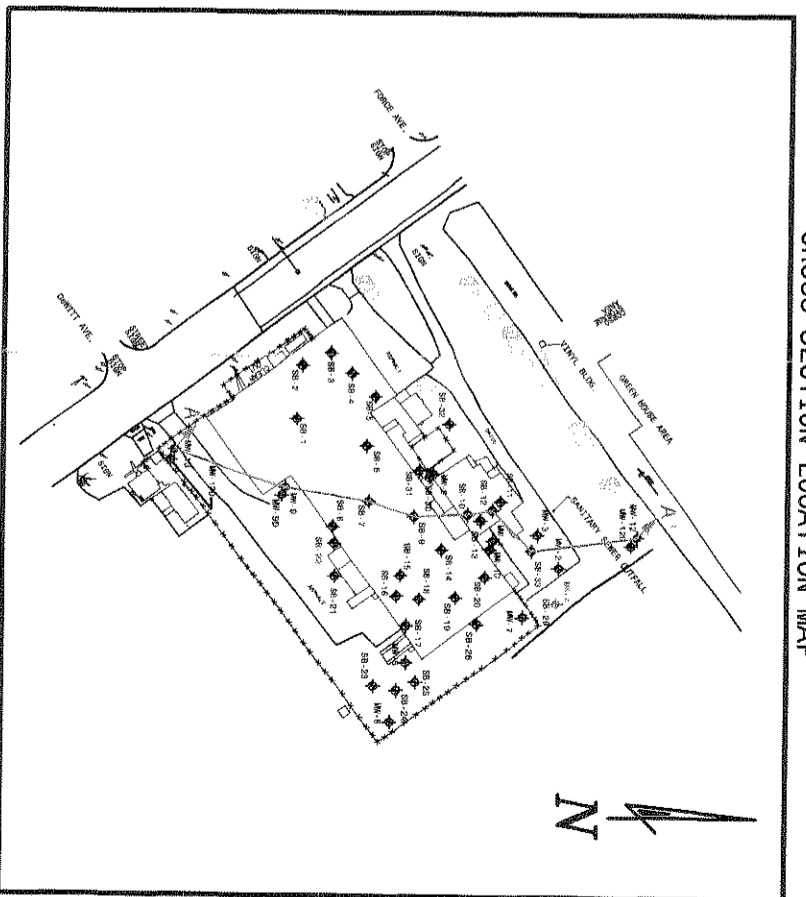


HORIZONTAL SCALE: 1" = 100'
 VERTICAL SCALE: 1" = 20'
 EXAGGERATION: 5X

LEGEND

-  LIMESTONE
-  SOFT BROWN/GRAY CLAY, MOIST
-  GRAVEL/SAND FILL WITH SOME FINES, MOIST
-  STATIC WATER LEVEL AS MEASURED 5/20/03

CROSS SECTION LOCATION MAP



Hull
 & Associates, Inc.
 ENGINEERS | GEOLOGISTS | SCIENTISTS | SAMPLERS | PLANNERS

6161 COCHRAN ROAD
 SUITE A
 SOLON, OHIO 44139
 © 2003 HULL & ASSOCIATES, INC.

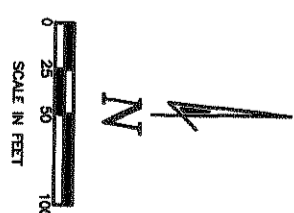
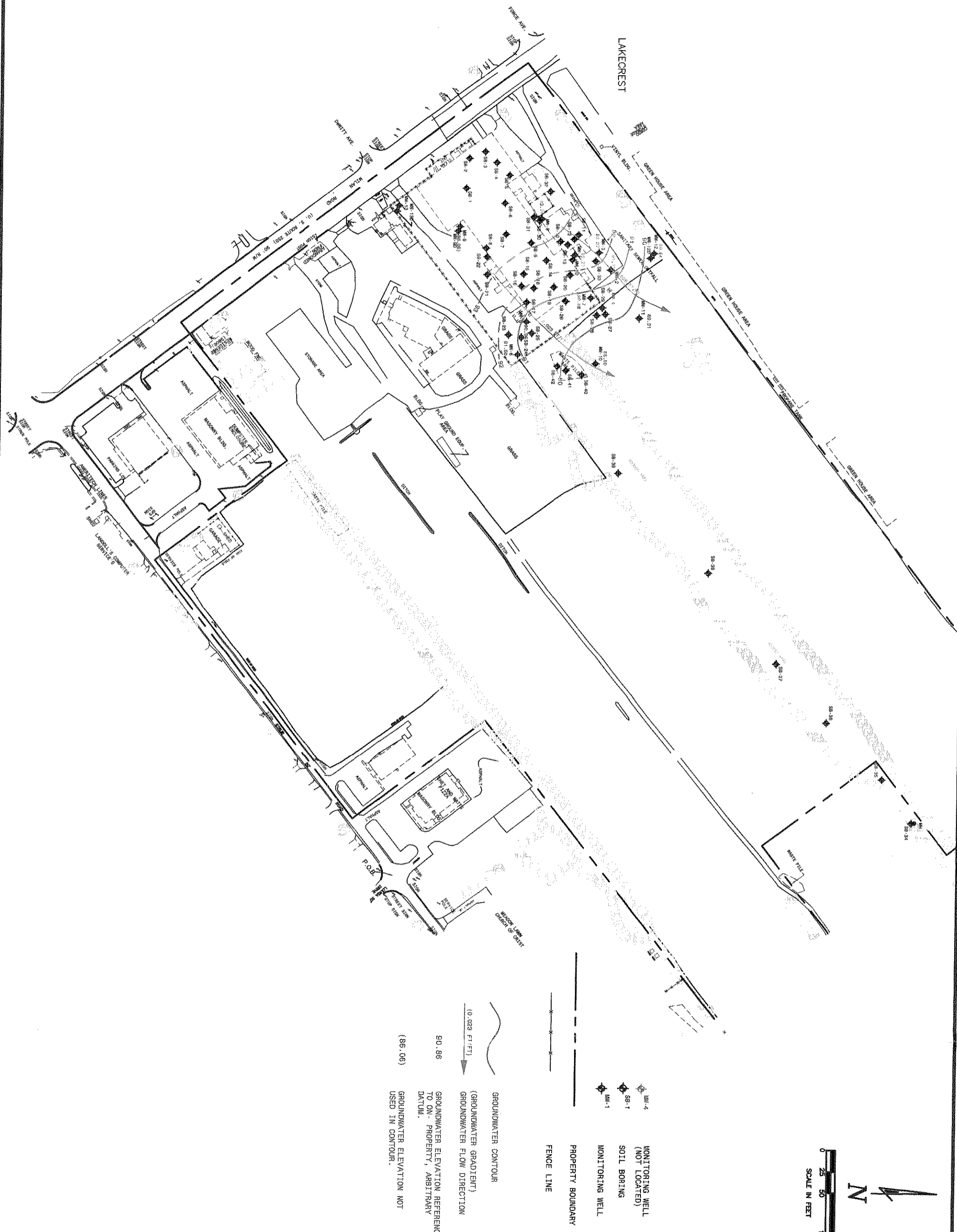
PHONE: (440) 519-2555
 FAX: (440) 519-2560
 WWW: hullinc.com

PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT

FIGURE 3
GEOLOGICAL CROSS SECTION A - A'

U.S. ROUTE 250 & STRUB RD.
 SANDUSKY, ERIE COUNTY, OHIO

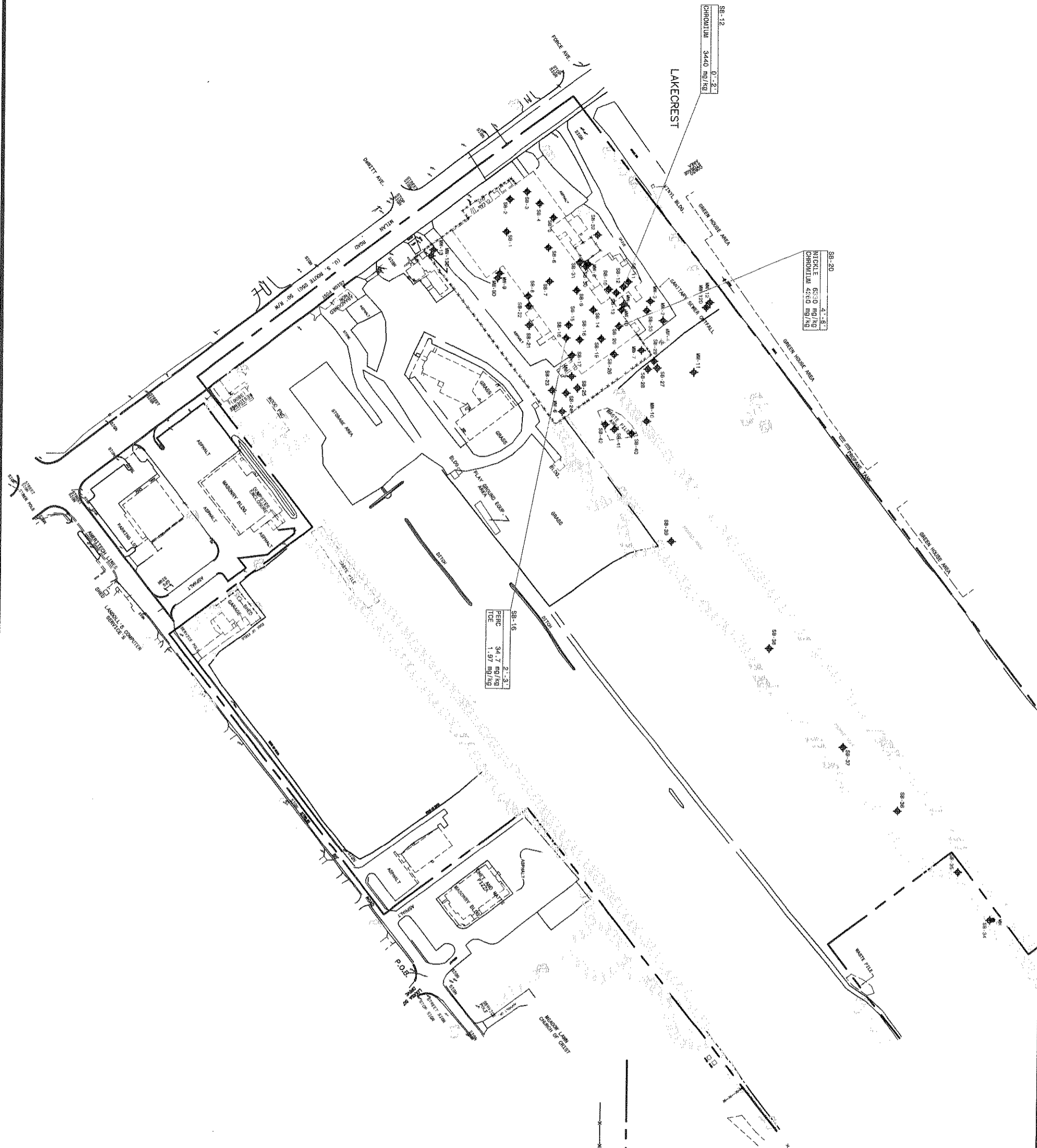
PROJECT NO.: HEM078
 SUBMITTAL DATE: MAY 2003
 CAD DWG FILE: HEM078_600_0017
 PLOT DATE: 5/21/03



- MONITORING WELL (NOT LOCATED)
- SOIL BORING
- MONITORING WELL
- PROPERTY BOUNDARY
- FENCE LINE
- GROUNDWATER CONTOUR
- (0.028 FT/FT)
 GROUNDWATER GRADIENT
- GROUNDWATER FLOW DIRECTION
- 90.86
 GROUNDWATER ELEVATION REFERENCED TO ON-PROPERTY, ARBITRARY DATUM.
- (86.06)
 GROUNDWATER ELEVATION NOT USED IN CONTOUR.

<p>PROJECT NO.: HEM078 CAD FILE: HEM078.A00.DWG PLOT DATE: 5/20/03 LAYOUT BY: VAS CHECKED BY: SCALE: 1" = 100' SUBMITTAL DATE: MAY 2008 © 2002 HULL & ASSOCIATES, INC.</p>	<p>VAP PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT U.S. ROUTE 250 & STRUB ROAD SANDUSKY, ERIE COUNTY, OHIO</p> <p>OWNER: APARTMENT & COMMERCIAL REALTY 7850 FREEWAY CIRCLE CLEVELAND, OHIO 44130</p>	<p>REGISTERED ENGINEER DATE</p>	<p>Hull & associates, inc. ENGINEERS GEOLOGISTS SCIENTISTS SURVEYORS PLANNERS</p> <p>6161 COCHRAN ROAD SUITE A SOLON, OHIO 44139</p> <p>PHONE: (440) 519-2555 FAX: (440) 519-2560 www.hullinc.com</p>
---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

FIGURE 4
GROUNDWATER SURFACE
MAP



- NOTES:**
- (1) TCE= TRICHLOROETHENE
PERC= TETRACHLOROETHENE
 - (2) CONCENTRATIONS SHOWN FOR SB-20 AND SB-12 EXCEED VAP SINGLE CHEMICAL DIRECT CONTACT STANDARD FOR CONSTRUCTION/EXCAVATION WORK SCENARIO.
 - (3) CONCENTRATIONS SHOWN FOR SB-16 EXCEED RISK-BASED SOIL TO INDOOR AIR SCREENING LEVEL.

VAP PHASE II ENVIRONMENTAL PROPERTY ASSESSMENT
 U.S. ROUTE 250 & STRUB ROAD
 SANDUSKY, ERIE COUNTY, OHIO

OWNER:
 APARTMENT & COMMERCIAL REALTY
 7850 FREEWAY CIRCLE
 CLEVELAND, OHIO 44130

REGISTERED ENGINEER _____
 DATE _____

Hull & associates, inc.
 ENGINEERS | GEOLOGISTS | SCIENTISTS | SURVEYORS | PLANNERS

6161 COCHRAN ROAD SUITE A SOLON, OHIO 44139
 PHONE: (440) 619-2555 FAX: (440) 619-2560
 www.hullinc.com

MARK	DATE	DESCRIPTION

PROJECT NO.: HSB078
 CLIENT: HSB078
 DATE: 5/20/03
 SCALE: 1" = 100'

SUBMITTAL DATE: MAY 2003
 2002 HULL & ASSOCIATES, INC.

FIGURE 5
 SOIL ANALYTICAL RESULTS

DEPA CODE: TITLE

APPENDIX A

Soil Boring/Monitoring Well Logs



Date Started : 05-16-03
 Date Completed : 05-19-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 75/Air Hammer
 Sampling Method : None
 Total Depth : 101
 Samples : 0
 PID Model :

LOG OF BORING MW-1D

(Page 1 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							☒ Sample Interval	☐ Lab Sample	▼ Static	▽ During drilling	
0	9:50	0.1-4.0	NA	NA							Well: MW-1D Elev.:
		4.0-7.5	NA	NA						Gray gravel	
5		7.5-12.5	NA	NA						Limestone Rock, begin drilling with 8" hammer bit	
	10:20/10:24	12.5-17.5	NA	NA						Dry at connection	
10		18.0-23.0	NA	NA						Wet at connection	
	10:30/10:35	23.0-26.0	NA	NA						Wet at connection	
15											
	10:49/10:53										
20											
	11:10										Set 6" steel casing at 23 feet
25											



Date Started : 05-16-03
 Date Completed : 05-19-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 75/Air Hammer
 Sampling Method : None
 Total Depth : 101
 Samples : 0
 PID Model :

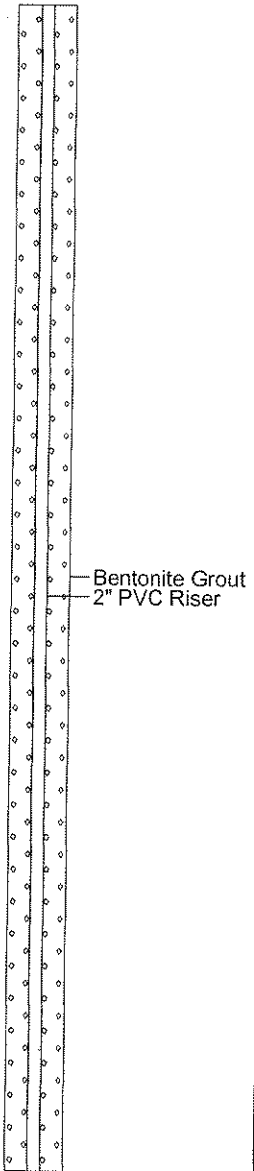
LOG OF BORING MW-1D

(Page 2 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels		Well: MW-1D Elev.:
								Sample Interval	Lab Sample	Static	During drilling	
25		26.0-31.0	NA	NA			5/19/03, dry, begin drilling with 4" hammer bit					
30	7:59/8:02	31.0-36.0	NA	NA			Dry					
35	8:11/8:17	36.0-41.0	NA	NA			Wet at connection					
40	8:25/8:29	41.0-46.0	NA	NA			Wet at connection					
45		46.0-51.0	NA	NA			Wet at connection					
50												





Date Started : 05-16-03
 Date Completed : 05-19-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 75/Air Hammer
 Sampling Method : None
 Total Depth : 101
 Samples : 0
 PID Model :

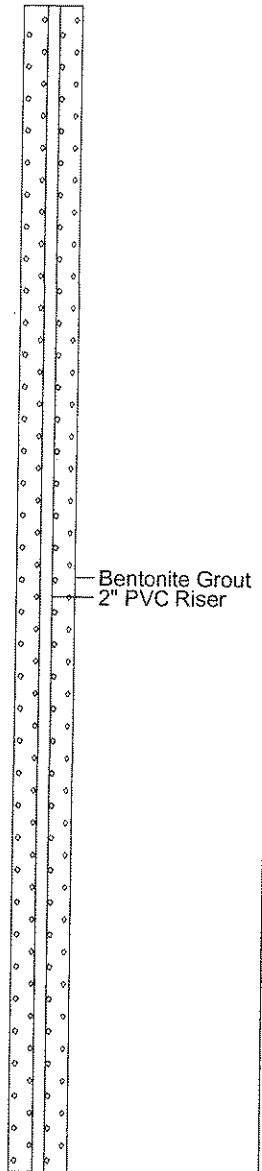
LOG OF BORING MW-1D

(Page 3 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels		Well: MW-1D Elev.:
								<input type="checkbox"/> Sample Interval <input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling			
50		51.0-56.0	NA	NA			Wet at connection					
55	9:07/9:16	56.0-61.0	NA	NA			Wet at connection					
60	9:25/9:28	61.0-66.0	NA	NA			Wet at connection					
65	9:35	66.0-71.0	NA	NA			Wet					
70		71.0-76.0	NA	NA			Wet					
75												





Date Started : 05-16-03
 Date Completed : 05-19-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 75/Air Hammer
 Sampling Method : None
 Total Depth : 101
 Samples : 0
 PID Model :

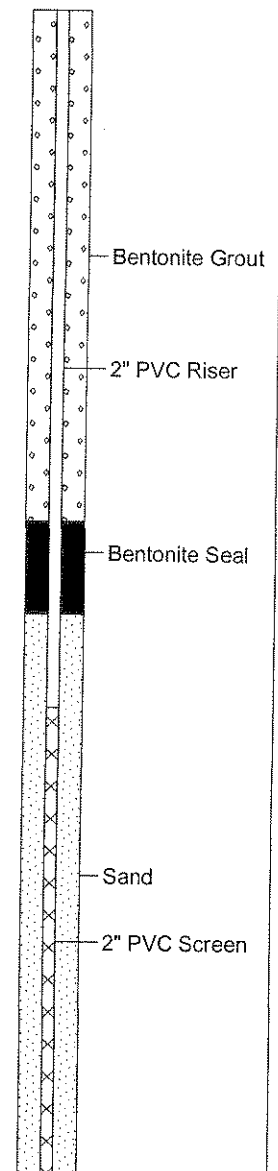
LOG OF BORING MW-1D

(Page 4 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels		Well: MW-1D Elev.:
								☒ Sample Interval	☐ Lab Sample	▼ Static	▽ During drilling	
75	10:15	76.0-81.0	NA	NA			Wet					
80	11:09/11:49	81.0-86.0	NA	NA			Dry					
85	11:52/11:56	86.0-91.0	NA	NA								
90	12:08/12:14	91.0-96.0	NA	NA			Wet at connection					
95	12:23/12:40	96.0-101.0	NA	NA			Very wet at connection					
100							Bottom of Boring at 101 feet					





Date Started : 04-11-03
 Date Completed : 04-11-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 55/4.25" Auger
 Sampling Method : Spitspoon
 Total Depth : 15.0
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING MW-5

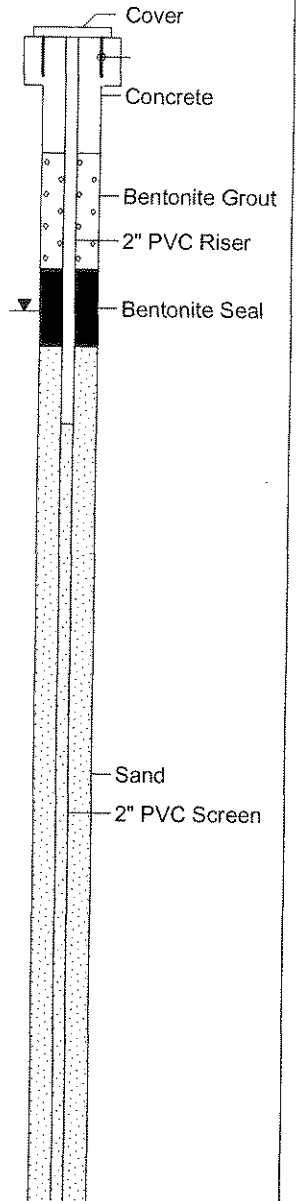
(Page 1 of 1)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							Sample Interval	Lab Sample	Static	During drilling	
0											Loose, GRAVEL
1	SP-1 2.0/0.5	SS-1 1.0-3.0	1.0	3-9-50/5							Brown, silty CLAY with gravel, moist
2											
3											Limestone
4											
5											
6											As above
7											
8											
9											Limestone
10											
11											
12											As above
13											
14											
15											End of boring

Well: MW-5
Elev.:



Date Started : 04-11-03
 Date Completed : 04-11-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 55/4.25" Auger
 Sampling Method : Splitspoon
 Total Depth : 21.0
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING MW-6

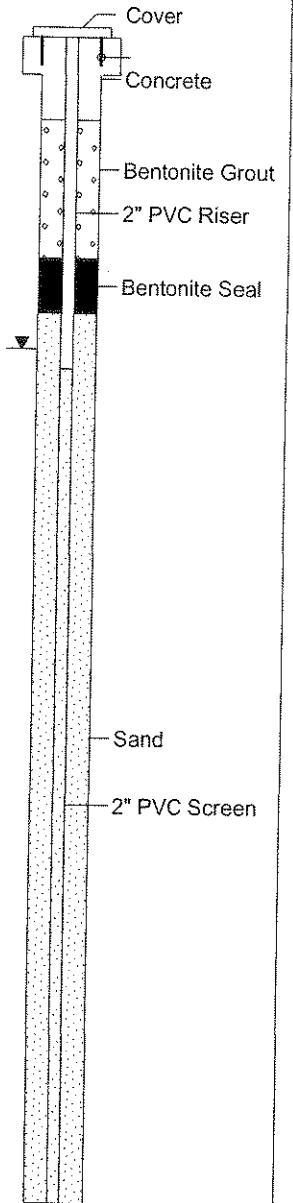
(Page 1 of 1)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input checked="" type="checkbox"/> During drilling	
0									Loose, GRAVEL
1	SP-1 2.0/1.5	SS-1 1.0-3.0	<1.0	5-10-50/2					Brown, SILT with traces of sand, moist
2									Stiff, brown, CLAY with traces of rock fragments, moist
3									Limestone
4									As above
5									As above
6									As above
7									As above
8									As above
9									Limestone
10									As above
11									As above
12									As above
13									As above
14									As above
15									Limestone
16									As above
17									As above
18									As above
19									As above
20									As above
21									End of boring

Well: MW-6
 Elev.:





Date Started : 04-11-03
 Date Completed : 04-11-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 55/4.25" Auger
 Sampling Method : Splitspoon
 Total Depth : 15.0
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING MW-7

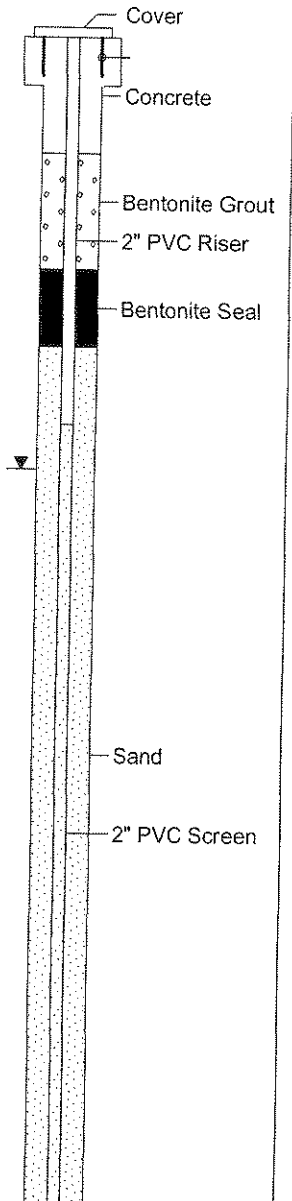
(Page 1 of 1)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							☒ Sample Interval ■ Lab Sample	▼ Static ▽ During drilling	
0									Loose, GRAVEL
1	SP-1 2.0/0.5	SS-1 1.0-3.0	<1.0	3-6-3					Brown, CLAY with gravel, moist
2									
3									Limestone
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									End of boring

Well: MW-7
 Elev.:





Date Started : 04-14-03
 Date Completed : 04-14-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 55/4.25" Auger
 Sampling Method : Spiltspoon
 Total Depth : 15.0
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING MW-8

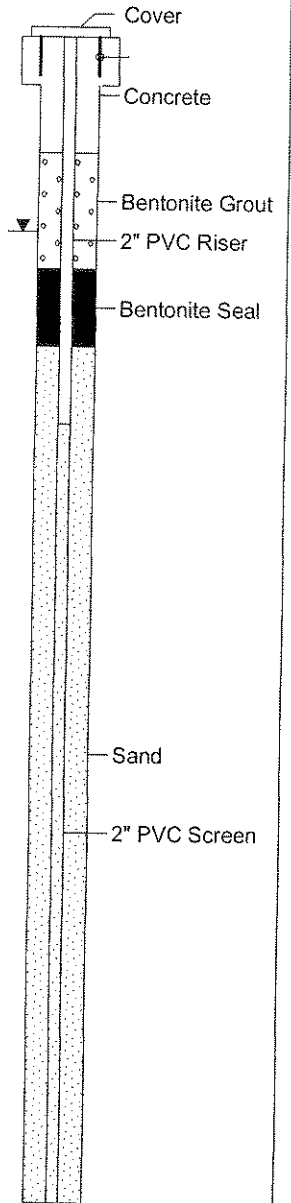
(Page 1 of 1)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							<input checked="" type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input checked="" type="checkbox"/> Static <input checked="" type="checkbox"/> During drilling	
0									Loose, GRAVEL
1	SP-1	SS-1 1.0-3.0	2.0	5-12-50/3					Tan, SILT with traces of sand and clay and limestone gravel, moist
2									Limestone
3									
4									End of boring
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Well: MW-8
Elev.:





Date Started : 04-14-03
 Date Completed : 04-14-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 55/4.25" Auger
 Sampling Method : Splitspoon
 Total Depth : 16.0
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING MW-9

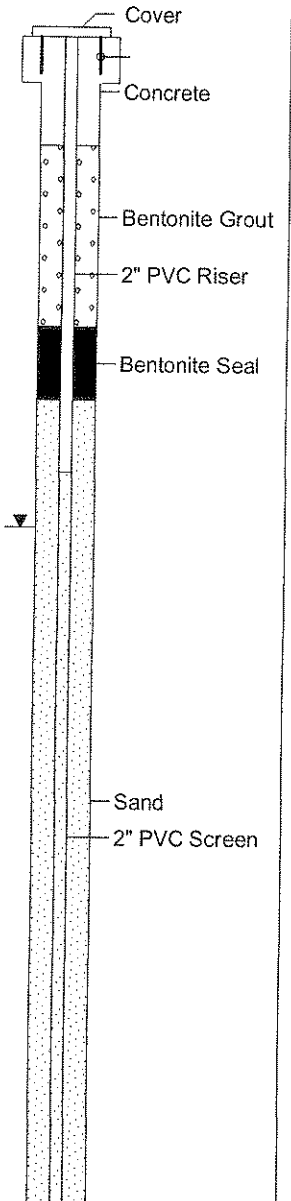
(Page 1 of 1)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input checked="" type="checkbox"/> During drilling	
0	HA-1	SS-1 0.0-2.0	NA	NA					Loose, limestone GRAVEL
1									Brown, SILT with gravel, moist
2	HA-2 1.0/1.0	SS-2 2.0-3.0	5.0	NA					Limestone
3									As above
4									Limestone
5									As above
6									Limestone
7									As above
8									Limestone
9									As above
10									Limestone
11									As above
12									Limestone
13									As above
14									Limestone
15									As above
16									End of boring

Well: MW-9
Elev.:





Date Started : 05-19-03
 Date Completed : 05-20-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : 8.25" HSA/Air Hammer/CME75
 Sampling Method : None
 Total Depth : 100
 Samples : 0
 PID Model :

LOG OF BORING MW-9D

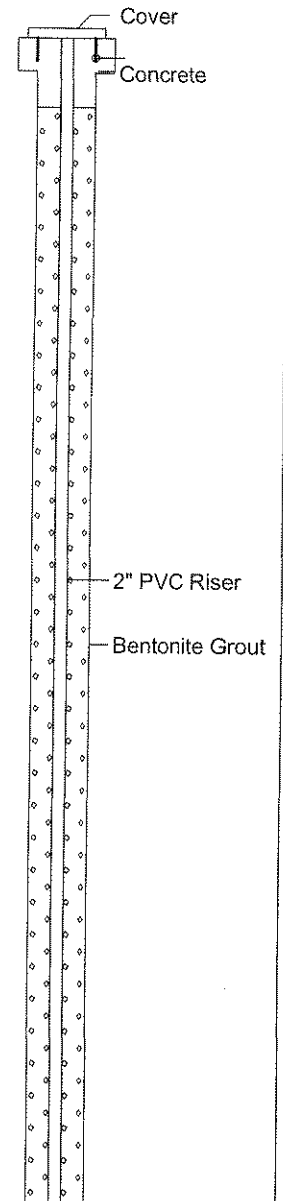
(Page 1 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels	
								Sample Interval	Lab Sample	Static	During drilling
0		0.0-2.0	NA	NA			Gray gravel				
	16:14	2.0-2.5	NA	NA			Limestone, begin drilling with 8" air hammer				
		4.0-6.0	NA	NA			Dry connection				
5	16:58/17:00	6.0-11.0	NA	NA							
		11.0-16.0	NA	NA			Dry				
10	17:11/17:17						Dry				
		16.0-21.0	NA	NA							
15	17:33						Set 6" casing, begin drilling with 4" air hammer				
		21.0-26.0	NA	NA							
20	17:45										
25											

Well: MW-9D
 Elev.:





Date Started : 05-19-03
 Date Completed : 05-20-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : 8.25" HSA/Air Hammer/CME75
 Sampling Method : None
 Total Depth : 100
 Samples : 0
 PID Model :

LOG OF BORING MW-9D

(Page 2 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels		Well: MW-9D Elev.:
								<input type="checkbox"/> Sample Interval <input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling			
25		26.0-31.0	NA	NA			Dry					<p>2" PVC Riser Bentonite Grout</p>
30		31.0-36.0	NA	NA			Dry					
35	9:09/9:17	36.0-41.0	NA	NA			Dry					
40		41.0-46.0	NA	NA			Dry					
45		46.0-51.0	NA	NA			Dry					
50												



Date Started : 05-19-03
 Date Completed : 05-20-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : 8.25" HSA/Air Hammer/CME
 Sampling Method : None
 Total Depth : 100
 Samples : 0
 PID Model :

LOG OF BORING MW-9D

(Page 3 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							☒ Sample Interval	■ Lab Sample	▼ Static	▽ During drilling	
50	9:54/9:56	51.0-56.0	NA	NA							Well: MW-9D Elev.:
55	10:06/10:15	56.0-61.0	NA	NA						Dry	
60	10:23/10:25	61.0-66.0	NA	NA						Dry	
65	10:32/10:40	66.0-71.0	NA	NA						Dry	
70	10:48/10:52	71.0-76.0	NA	NA						Dry	
75											



Date Started : 05-19-03
 Date Completed : 05-20-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : 8.25" HSA/Air Hammer/CME75
 Sampling Method : None
 Total Depth : 100
 Samples : 0
 PID Model :

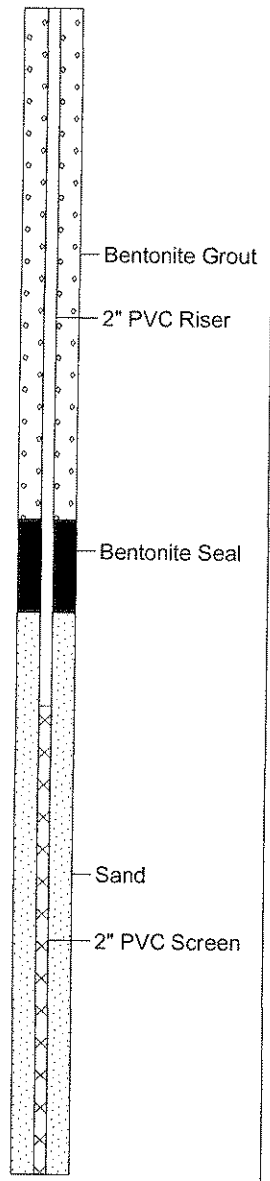
LOG OF BORING MW-9D

(Page 4 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels		Well: MW-9D Elev.:
								☒ Sample Interval	■ Lab Sample	▼ Static	▽ During drilling	
75	11:00/11:09	76.0-81.0	NA	NA			Dry at connection					
80	11:17/11:19	81.0-86.0	NA	NA			Dry					
85	11:27/11:30	86.0-91.0	NA	NA			Dry					
90	11:39/11:41	91.0-96.0	NA	NA			Dry					
95	11:50/11:52	96.0-100.0	NA	NA			Dry					
100	12:00											





Date Started : 04-28-03
 Date Completed : 04-28-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : 4.25" HSA/Air Hammer 4"
 Sampling Method : Splitspoon
 Total Depth : 20.0
 Samples : 1
 PID Model : OVM 580B

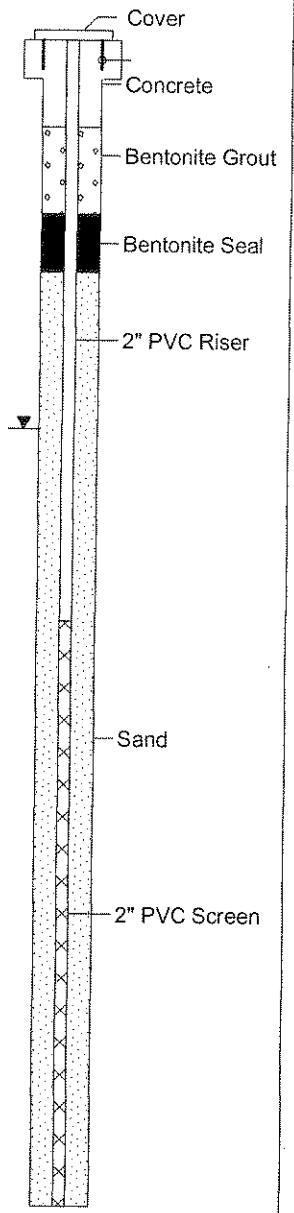
LOG OF BORING MW-10

(Page 1 of 1)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							Sample Interval	Lab Sample	Static	During drilling	
0			1.0	2-4-2							Moist, brown, clayey silt
1	24/14	0.0-2.0									
2	22/22	2.0-3.8	<1	4-7-50/4"							
3											Hard brown mottled clay
4											Limestone
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											Bottom of boring





BECHTEL-MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OH
HEM078

Date Started : 04-28-03
Date Completed : 04-28-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : 4.25" HSA/Air Hammer 4"
Sampling Method : Splitspoon
Total Depth : 21.0
Samples : 1
PID Model : OVM 580B

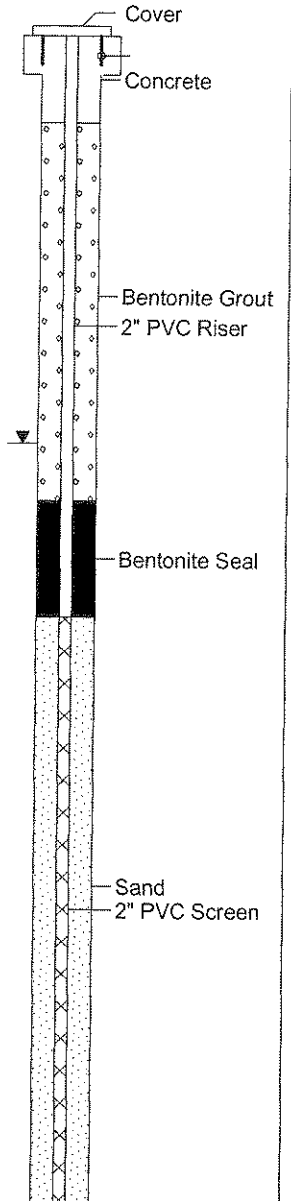
LOG OF BORING MW-11

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							Sample Interval	Lab Sample	Static	During drilling	
0			1.0	1-2-2							Black sandy silt
1	24/18	0.0-2.0									Brown, mottled clay, sandy
2	18/18	2.0-4.0	<1	2-9-50/2"							Hard, moist, brown clay, mottled
3											
4											Limestone, begin drilling with air hammer
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											Bottom of boring

Well: MW-11
Elev.:





BECHTEL-MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OH
HEM078

Date Started : 04-28-03
Date Completed : 04-28-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : CME 55/4.25" Auger
Sampling Method : Splitspoon
Total Depth : 15.0
Samples : 1
PID Model : OVM 580B

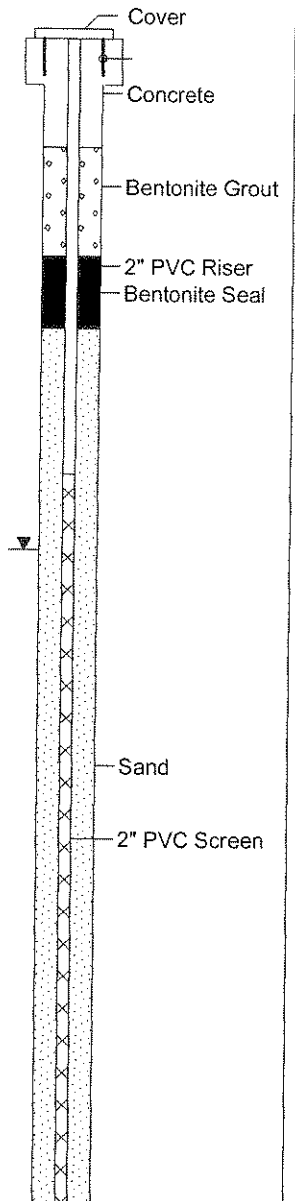
LOG OF BORING MW-12

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							Sample Interval Lab Sample	Static During drilling			
0			1.0	2-5-4							Grass, silt, rock
1	24/12	0.0-2.0									
2	12/12	2.0	NA 3.0	25-50/3"							Limestone
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											Bottom of boring

Well: MW-12
Elev.:





BECHTEL-MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OH
HEM078

Date Started : 05-14-03
Date Completed : 05-14-03
Logged By : J. Mielecki
Reviewed By : M. Montecalvo
Drilling Contractor : North Coast Drilling
Drilling Method : CME 75/Air Hammer
Sampling Method : None
Total Depth : 100
Samples : 0
PID Model :

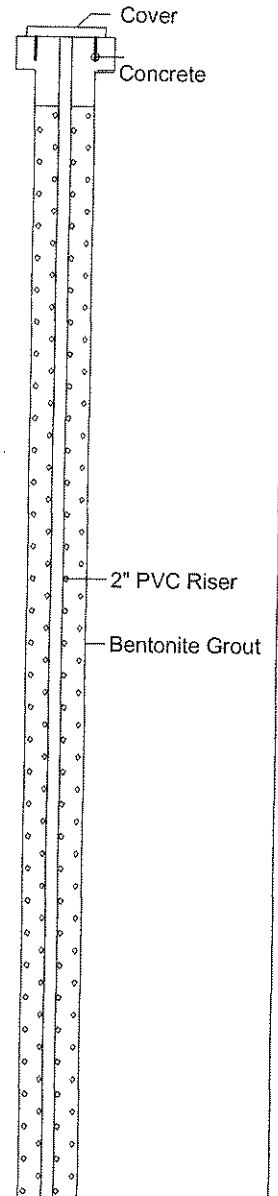
LOG OF BORING MW-12D

(Page 1 of 4)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6" -12" -6")	Samples	GRAPHIC	Soil Samples	Water Levels	DESCRIPTION
							<input type="checkbox"/> Sample Interval <input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	
0		0.0-3.0	NA	NA					Soft, clay, moist
		3.0-6.0	NA	NA					Switch to 4" Hammer
5	11:04	6.0-11.0	NA	NA					Limestone, trace silt
									Soft 8' to 8.8'
10	11:11/11:13	11.0-16.0	NA	NA					Wet at connection
									Rock harder 15-16'
15	11:22/11:28	16.0-21.0	NA	NA					Wet at connection
									Rock
20	11:36/11:40	21.0-26.0	NA	NA					Wet at connection
25									

Well: MW-12D
Elev.:





Date Started : 05-14-03
 Date Completed : 05-14-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 75/Air Hammer
 Sampling Method : None
 Total Depth : 100
 Samples : 0
 PID Model :

LOG OF BORING MW-12D

(Page 2 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels		Well: MW-12D Elev.:
								<input type="checkbox"/> Sample Interval <input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling			
25	11:50/12:05	26.0-31.0	NA	NA			Very wet at connection, water from hole showing sheen	<input checked="" type="checkbox"/>	<input type="checkbox"/>			<p>2" PVC Riser Bentonite Grout</p>
30	12:12/12:48	31.0-36.0	NA	NA			Very wet at connection	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
35	12:57/13:09	36.0-41.0	NA	NA			Very wet at connection	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
40	13:18/13:20	41.0-46.0	NA	NA			Very wet at connection	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
45	13:28/13:35	46.0-51.0	NA	NA			Very wet	<input checked="" type="checkbox"/>	<input type="checkbox"/>			
50												



BECHTEL-MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OH
HEM078

Date Started : 05-14-03
Date Completed : 05-14-03
Logged By : J. Mielecki
Reviewed By : M. Montecalvo
Drilling Contractor : North Coast Drilling
Drilling Method : CME 75/Air Hammer
Sampling Method : None
Total Depth : 100
Samples : 0
PID Model :

LOG OF BORING MW-12D

(Page 3 of 4)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							Sample Interval	Lab Sample	Static	During drilling	
50	13:43/13:53	51.0-56.0	NA	NA							<p>Well: MW-12D Elev.:</p> <p>2" PVC Riser Bentonite Grout</p>
55	13:58/14:06	56.0-61.0	NA	NA						Very wet	
60	14:12/14:15	61.0-66.0	NA	NA						Very wet	
65	14:20/14:31	66.0-71.0	NA	NA						Very wet	
70	14:38/14:42	71.0-76.0	NA	NA						Very wet	



BECHTEL-MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OH
HEM078

Date Started : 05-14-03
Date Completed : 05-14-03
Logged By : J. Mielecki
Reviewed By : M. Montecalvo
Drilling Contractor : North Coast Drilling
Drilling Method : CME 75/Air Hammer
Sampling Method : None
Total Depth : 100
Samples : 0
PID Model :

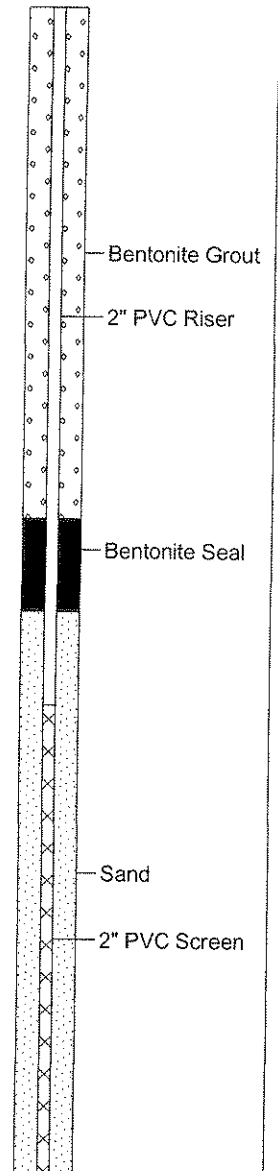
LOG OF BORING MW-12D

(Page 4 of 4)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels	
								Sample Interval	Lab Sample	Static	During drilling
75	14:47/14:57	76.0-81.0	NA	NA			Very wet				
80	15:04/15:09	81.0-86.0	NA	NA			Very wet				
85	15:16/15:19	86.0-91.0	NA	NA			Wet				
90	15:27/15:31	91.0-96.0	NA	NA			Very wet				
95	15:38/15:41	96.0-100.0	NA	NA							
100	15:49										

Well: MW-12D
Elev.:





BECHTEL-MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OH
HEM078

Date Started : 05-09-03
Date Completed : 05-09-03
Logged By : M. Montecalvo
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : CME 55/4.25" Auger
Sampling Method : Splitspoon
Total Depth : 31.0
Samples : 1
PID Model : OVM 580B

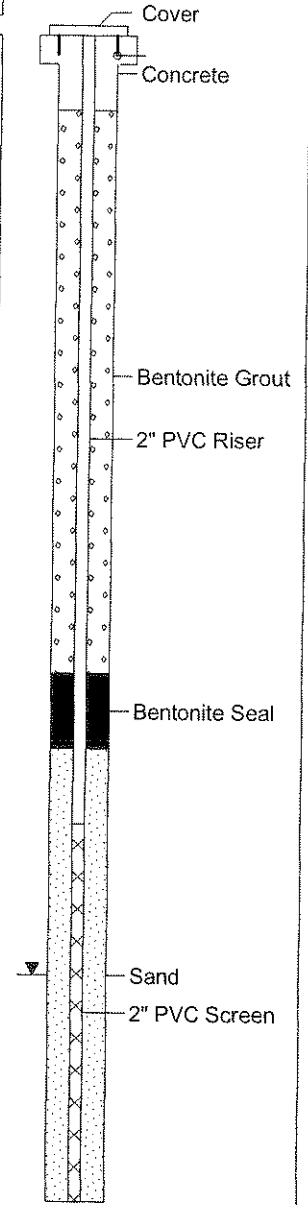
LOG OF BORING MW-13

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							☒ Sample Interval	☐ Lab Sample	▼ Static	▽ During drilling	
0	SP-1 2.0/1.5	SS-1 0.0-1.5	NA	3-3-4			☒		▼		Soft, brown and gray, CLAY with sand and silt, moist
1											
2	SP-2 2.0/1.5	SS-2 2.0-3.5	NA	3-5-3			☒				As Previous
3											
4											
5											Gray, LIMESTONE
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											

Well: MW-13
Elev.:





Date Started : 05-15-03
 Date Completed : 05-15-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 75/Air Hammer
 Sampling Method : None
 Total Depth : 101
 Samples : 0
 PID Model :

LOG OF BORING MW-13D

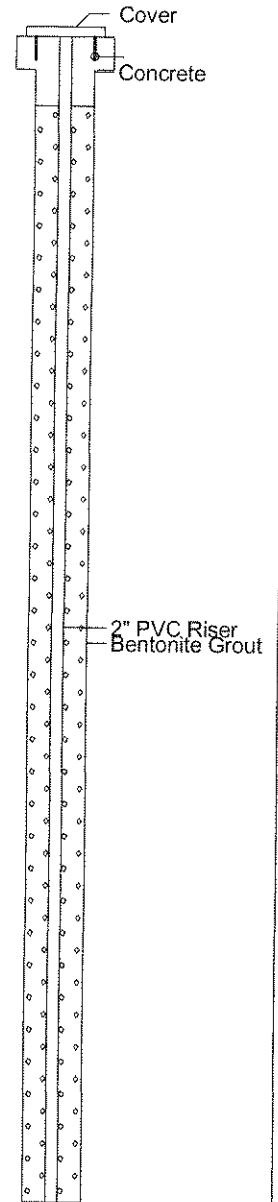
(Page 1 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6" -12" -6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels	
								☒ Sample Interval	☐ Lab Sample	▼ Static	▽ During drilling
0		0.0-4.0	NA	NA			Soft, brown clay with silt, moist				
	12:25	4.0-6.0	NA	NA			Limestone				
5	12:34/12:41	6.0-11.0	NA	NA			Limestone				
10	12:50/12:54	11.0-16.0	NA	NA							
15		16.0-21.0	NA	NA							
20	13:18/13:20	21.0-26.0	NA	NA			Dry at connection				
25											

Well: MW-13D
Elev.:





Date Started : 05-15-03
 Date Completed : 05-15-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 75/Air Hammer
 Sampling Method : None
 Total Depth : 101
 Samples : 0
 PID Model :

LOG OF BORING MW-13D

(Page 2 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION	Well: MW-13D Elev.:
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input type="checkbox"/> Static <input type="checkbox"/> During drilling			
25	13:28/13:36	26.0-31.0	NA	NA							Dry	
30	13:45/13:48	31.0-36.0	NA	NA							Dry	
35	13:57/14:04	36.0-41.0	NA	NA							Wet at connection	
40	14:13/14:20	41.0-46.0	NA	NA							Wet	
45	14:28/14:33	46.0-51.0	NA	NA							Wet	
50												



BECHTEL-MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OH
HEM078

Date Started : 05-15-03
Date Completed : 05-15-03
Logged By : J. Mielecki
Reviewed By : M. Montecalvo
Drilling Contractor : North Coast Drilling
Drilling Method : CME 75/Air Hammer
Sampling Method : None
Total Depth : 101
Samples : 0
PID Model :

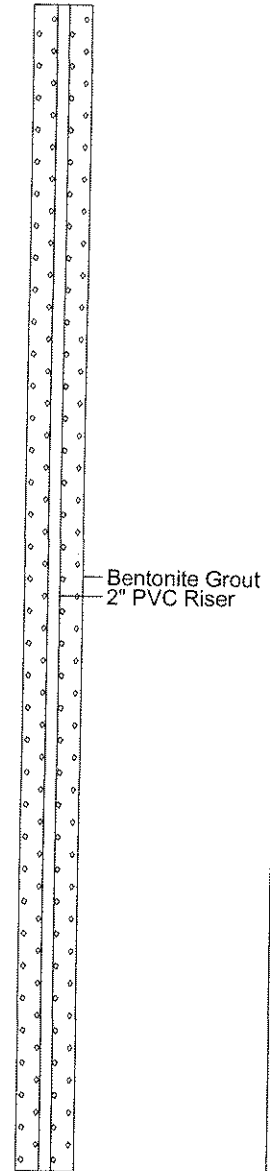
LOG OF BORING MW-13D

(Page 3 of 4)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		DESCRIPTION
							☒ Sample Interval	■ Lab Sample	▼ Static	▽ During drilling	
50		51.0-56.0	NA	NA			☒				Wet
55	14:58	56.0-61.0	NA	NA			☒				Wet
60		61.0-66.0	NA	NA			☒				Wet
65	15:12/15:19	66.0-71.0	NA	NA			☒				Wet
70		71.0-76.0	NA	NA			☒				Wet
75											

Well: MW-13D
Elev.:





Date Started : 05-15-03
 Date Completed : 05-15-03
 Logged By : J. Mielecki
 Reviewed By : M. Montecalvo
 Drilling Contractor : North Coast Drilling
 Drilling Method : CME 75/Air Hammer
 Sampling Method : None
 Total Depth : 101
 Samples : 0
 PID Model :

LOG OF BORING MW-13D

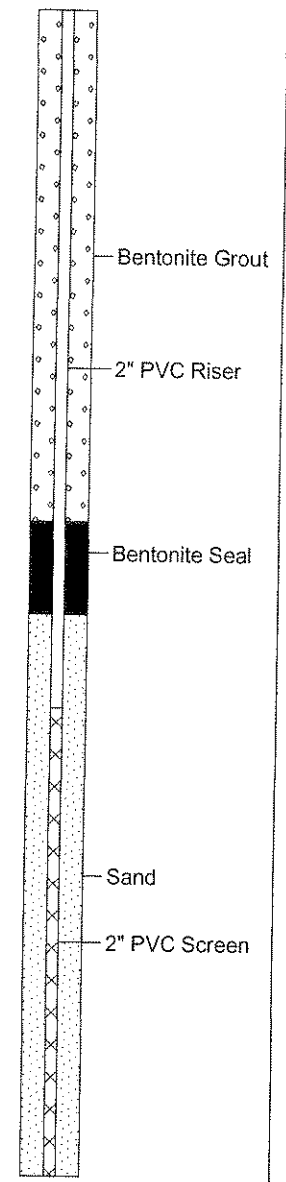
(Page 4 of 4)

BECHTEL-MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OH
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Time Begin/End	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	Soil Samples		Water Levels	
								Sample Interval	Lab Sample	Static	During drilling
75		76.0-81.0	NA	NA			Wet				
80	15:45/15:48	81.0-86.0	NA	NA			Wet				
85	15:55/15:58	86.0-91.0	NA	NA			Wet				
90	16:05/16:09	91.0-96.0	NA	NA			Wet at connection				
95	16:19/16:25	96.0-101.0	NA	NA							
100							Bottom of Boring at 101 feet				

Well: MW-13D
Elev.:





Date Started : 04-08-03
 Date Completed : 04-08-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 3.00
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-1

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input checked="" type="checkbox"/> Static <input type="checkbox"/> During drilling		
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	2.0	NA							SAMPLE SUBMITTED HEM078:SB1:S000020
1											
2	GP-2 1.0/1.0	SS-2 2.0-3.0	1.0	NA							
3											



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 3.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-2

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	4.0	NA			Concrete				SAMPLE SUBMITTED HEM078:SB2:S000020
							Brown, SILT with traces of gravel, moist				
1							Stiff, brown, CLAY, moist				
2	GP-2 1.0/1.0	SS-2 2.0-3.0	<1.0	NA			Brown, SAND and limestone fragments, moist				
3							End of boring				



Date Started : 04-08-03
 Date Completed : 04-08-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 3.50
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-3

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS	
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	DESCRIPTION			
0	GP-1 2.0/2.0	SS-1 0.0-2.0	<1.0	NA							Concrete	
											Brown, SILT with traces of gravel, moist	
2	GP-2 1.5/1.5	SS-2 2.0-3.5	3.0	NA							Brown, CLAY with traces of gravel, moist	SAMPLE SUBMITTED HEM078:SB3:S020035
3											Limestone	
											End of boring	



Date Started : 04-08-03
 Date Completed : 04-08-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 3.50
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-4

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	2.0	NA			Concrete				SAMPLE SUBMITTED HEM078:SB4:S000020
							Brown, SAND, moist				
1							Brown, silty CLAY with traces of gravel, moist				
2	GP-2 1.5/1.5	SS-2 2.0-3.5	<1.0	NA			As above				
							Brown, SAND and limestone fragments, moist				
3							End of boring				



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 3.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-5

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples ☒ Sample Interval ■ Lab Sample	Water Levels ▼ Static ▽ During drilling	REMARKS
0	GP-1 2.0/2.0	SS-1 0.0-2.0	32.0	NA					SAMPLE SUBMITTED HEM078:SB5:S000020
							Concrete		
							Brown, SAND, moist		
1							Brown, SILT, moist		
2	GP-2 1.5/1.5	SS-2 2.0-3.5	25.0	NA			Stiff, brown, CLAY, moist		
3							Brown, SAND, moist		
							End of boring		



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 4.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-6

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input checked="" type="checkbox"/> Static <input type="checkbox"/> During drilling		
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	<1.0	NA			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		Concrete
											Brown, silty CLAY, moist
2	GP-2 2.0/2.0	SS-2 2.0-4.0	2.0	NA							Brown, CLAY with traces of sand, moist
											SAMPLE SUBMITTED HEM078:SB6:S020035
4	GP-3 0.5/0.5	SS-3 4.0-4.5	10.0	NA							Brown, SAND, moist
											End of boring



Date Started : 04-08-03
 Date Completed : 04-08-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 5.30
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-7

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	DESCRIPTION		
0	GP-1 2.0/2.0	SS-1 0.0-2.0	36.0	NA							SAMPLE SUBMITTED HEM078:SB7:S000020
										Concrete	
										Brown, SAND, moist	
1										As above	
2	GP-2 2.0/2.0	SS-2 2.0-4.0	22.0	NA						As above	
3										As above	
4	GP-3 1.3/1.3	SS-3 4.0-5.3	1.0	NA						Black, COAL	
										Brown, SAND with sandstone fragments, moist	
										Brown, silty SAND, moist	
5										End of boring	



Date Started : 04-08-03
 Date Completed : 04-08-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 5.50
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-8

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	2.0	NA			Concrete				SAMPLE SUBMITTED HEM078:SB8:S000020
							Brown, SAND, moist				
1							As above				
2	GP-2 2.0/2.0	SS-2 2.0-4.0	1.0	NA			As above				
3							As above				
4	GP-3 1.5/1.5	SS-3 4.0-5.5	8.0	NA			Brown, CLAY with gravel, moist				
5							Limestone				
							End of boring				



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 6.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-9

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							Sample Interval Lab Sample	Static During drilling	
							DESCRIPTION		
0	GP-1 2.0/2.0	SS-1 0.0-2.0	15.0	NA			Concrete		SAMPLE SUBMITTED HEM078:SB9:S000020
1							Brown, CLAY with gravel, moist		
2	GP-2 2.0/2.0	SS-2 2.0-4.0	<1.0	NA			As above		
3							As above except with wood		
4	GP-3 2.0/2.0	SS-3 4.0-6.0	1.0	NA			Brown, CLAY with gravel, moist		
5							Brown, SAND, moist		
6							End of boring		



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 7.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-10

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input type="checkbox"/> Static <input checked="" type="checkbox"/> During drilling		
							DESCRIPTION				
0	GP-1 4.0/2.0	SS-1 0.0-2.0	<1.0	NA			<input checked="" type="checkbox"/>	Concrete			
								Brown, SAND, moist			
1								Brown, SAND, damp			
2								As above			
3								As above			
4	GP-2 3.5/3.5	SS-2 4.0-7.5	24.0	NA				Brown, SAND, wet			SAMPLE SUBMITTED HEM078:SB10:S040075
5								Black, limestone, wet			
6								As above			
7								End of boring			



Date Started : 04-08-03
 Date Completed : 04-08-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 3.50
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-11

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static	<input type="checkbox"/> During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	3.0	NA			Concrete				
							Brown, CLAY with gravel, moist				
2	GP-2 1.5/1.5	SS-2 2.0-3.5	32.0	NA			As above				SAMPLE SUBMITTED HEM078:SB11:S020035
3							End of boring				



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 3.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-12

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	2.0	NA				Concrete			SAMPLE SUBMITTED HEM078:SB12:S000020
								Brown, silty SAND with gravel, moist			
1								Brown, CLAY with gravel, moist			
2	GP-2 1.5/1.5	SS-2 2.0-3.5	2.0	NA				Brown, SAND, moist			
3								End of boring			



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 3.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-13

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	
0	GP-1 2.0/2.0	SS-1 0.0-2.0	3.0	NA			Concrete		
							Brown, SILT with gravel, moist		
1							Dark brown, CLAY with gravel, moist		
2	GP-2 1.5/1.5	SS-2 2.0-3.5	24.0	NA			Brown, silty SAND with sandstone and traces of limestone fragments, moist		SAMPLE SUBMITTED HEM078:SB13:S020035
3							End of boring		



Date Started : 04-08-03
 Date Completed : 04-08-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 5.50
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-14

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input checked="" type="checkbox"/> During drilling	
0	GP-1 2.0/2.0	SS-1 0.0-2.0	12.0	NA					SAMPLE SUBMITTED HEM078:SB14:S000020
								Concrete	
								Brown, SILT with gravel, moist	
2	GP-2 2.0/2.0	SS-2 2.0-4.0	2.0	NA				As above except traces of clay	
3								As above	
4	GP-3 1.5/1.5	SS-3 4.0-5.5	2.0	NA				Brown, SILT with limestone fragments, moist	
5								End of boring	



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 5.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-15

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							Sample Interval 	Lab Sample 	Static 	During drilling 	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	1.0	NA			Concrete				
							GRAVEL with silt, moist				
1							Brown, CLAY with gravel, moist				
2	GP-2 2.0/2.0	SS-2 2.0-4.0	4.0	NA							
3							LIMESTONE with clay, moist				
4	GP-3 1.0/1.0	SS-3 4.0-5.0	28.0	NA			Brown, SILT with limestone fragments, moist				SAMPLE SUBMITTED HEM078:SB15:S040050
5							End of boring				






BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-08-03
Date Completed : 04-08-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 4.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-16

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static	<input type="checkbox"/> During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	5.0	NA							Concrete
											Brown, SILT with gravel and traces of clay, moist
2	GP-2 2.0/1.0	SS-2 2.0-4.0	26.0	NA							As above
											Brown to gray, limestone with traces of silt, moist
4	GP-3 0.5/0.5	SS-3 4.0-4.5	20.0	NA							End of boring

SAMPLE SUBMITTED
HEM078:SB16:S020030



Date Started : 04-09-03
 Date Completed : 04-09-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 6.75
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-17

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	DESCRIPTION	REMARKS
0	GP-1 2.0/2.0	SS-1 0.0-2.0	15.0	NA			Concrete	
1							Brown, SILT with gravel, moist	
2	GP-2 2.0/1.0	SS-2 2.0-4.0	<1.0	NA			Brown, SILT with gravel and traces of clay and some limestone, moist	SAMPLE SUBMITTED HEM078:SB17:S020030
3								
4	GP-3 2.0/2.0	SS-3 4.0-6.0	1.0	NA			Brown, silty CLAY with gravel, moist	
5								
6	GP-4 0.75/0.75	SS-4 6.0-6.75	NA	NA			Weathered LIMESTONE	
							End of boring	

07-14-2005 F:\clients\HEM\HEM078\Logs\SB-17.bor



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 5.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-18

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input checked="" type="checkbox"/> Static <input type="checkbox"/> During drilling		
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	<1.0	NA							Concrete
											Brown, SILT with gravel, moist
2	GP-2 2.0/1.0	SS-2 2.0-4.0	1.0	NA							Brown, silty CLAY with gravel, moist
4	GP-3 1.0/1.0	SS-3 4.0-5.0	1.0	NA							Weathered LIMESTONE
5											End of boring

SAMPLE SUBMITTED
HEM078:SB18:S040050



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 7.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-19

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input type="checkbox"/> Static <input checked="" type="checkbox"/> During drilling		
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	1.0	NA							
							Concrete				
							Brown, SILT with gravel, moist				
1											
2	GP-2 2.0/2.0	SS-2 2.0-4.0	4.0	NA							
							Brown, silty CLAY with gravel, moist				
3											
4	GP-3 2.0/2.0	SS-3 4.0-6.0	2.0	NA							
							SILT with weathered limestone, moist				SAMPLE SUBMITTED HEM078:SB10:S040075
5							As above				
6	GP-4 1.5/1.5	SS-4 6.0-7.5	1.0	NA							
							Limestone, damp				
7							End of boring				



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 6.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-20

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input type="checkbox"/> Static <input checked="" type="checkbox"/> During drilling		
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	1.0	NA			<input checked="" type="checkbox"/>				Concrete
											Brown, SILT with gravel, moist
2	GP-2 2.0/2.0	SS-2 2.0-4.0	<1.0	NA							As above
4	GP-3 2.0/2.0	SS-3 4.0-6.0	<1.0	NA							Black, CLAY with gravel, moist
											Brown, SILT with limestone and traces of clay, moist
6											As above with traces of blue material End of boring

SAMPLE SUBMITTED
HEM078:SB20:S040060



Date Started : 04-09-03
 Date Completed : 04-09-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 2.50
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-21

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input checked="" type="checkbox"/> During drilling	DESCRIPTION		
0	GP-1 2.5/2.0	SS-1 0.0-2.5	3.0	NA							SAMPLE SUBMITTED HEM078:SB21:S000020
1											
2											
											End of boring



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 3.25
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-22

(Page 1 of 1)

PID Calibration : 100 ppm isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input checked="" type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input checked="" type="checkbox"/> Static	<input type="checkbox"/> During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	4.0	NA		<input checked="" type="checkbox"/>		Asphalt			SAMPLE SUBMITTED HEM078:SB22:S000020
								Brown, SILT with gravel and traces of clay, moist			
1								As above			
2	GP-2 1.25/1.25	SS-2 2.0-3.25	4.0	NA				Brown, SILT with gravel and traces of clay, moist			
3								Gray, SILT, moist			
								End of boring			



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 2.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-23

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS	
							<input type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static	<input type="checkbox"/> During drilling		
							DESCRIPTION					
0	GP-1 2.0/2.0	SS-1 0.0-2.0	3.0	NA							SILT with limestone gravel, moist	SAMPLE SUBMITTED HEM078:SB23:S000020
1											Brown, CLAY with gravel, moist	
2											End of boring	



Date Started : 04-09-03
 Date Completed : 04-09-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 3.50
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-25

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	
0	GP-1 2.0/2.0	SS-1 0.0-2.0	2.0	NA					
1									
2	GP-2 1.5/1.0	SS-2 2.0-3.5	1.0	NA					SAMPLE SUBMITTED HEM078:SB25:S020030
3									
									End of boring



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 3.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-26

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	DESCRIPTION		
0	GP-1 2.0/2.0	SS-1 0.0-2.0	2.0	NA							
1											
2	GP-2 1.5/1.5	SS-2 2.0-3.5	1.0	NA							SAMPLE SUBMITTED HEM078:SB26:S020035
3											
											As above
											End of boring



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 3.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-27

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static	<input type="checkbox"/> During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	1.0	NA							Dark brown, silty CLAY, moist
1											Brown, silty CLAY with traces of gravel, moist
2	GP-2 1.0/1.0	SS-2 2.0-3.0	2.0	NA							As above
3											End of boring

SAMPLE SUBMITTED
HEM078:SB27:S020030



Date Started : 04-09-03
 Date Completed : 04-09-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 3.00
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-28

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							☒ Sample Interval	☐ Lab Sample	▼ Static	▽ During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	1.0	NA							Dark brown, silty CLAY with traces of sand, moist
1											Brown, CLAY, moist
2	GP-2 1.0/1.0	SS-2 2.0-3.0	2.0	NA							As above
3											End of boring

SAMPLE SUBMITTED
 HEM078:SB28:S020030



Date Started : 04-09-03
 Date Completed : 04-09-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 3.00
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-29

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	GP-1 2.0/2.0	SS-1 0.0-2.0	2.0	NA							
1											
2	GP-2 1.0/1.0	SS-2 2.0-3.0	3.0	NA							
											SAMPLE SUBMITTED HEM078:SB29:S020030
3											



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 4.50
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-30

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	
0	GP-1 2.0/2.0	SS-1 0.0-2.0	1.0	NA					VEGETATION
									Brown, clayey SILT with gravel, moist
2	GP-2 2.0/1.0	SS-2 2.0-3.0	5.0	NA					Brown, CLAY with limestone, moist
									SAMPLE SUBMITTED HEM078:SB30:S020030
4	GP-3 0.5/0.5	SS-3 4.0-4.5	3.0	NA					Weathered LIMESTONE
									End of boring



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-09-03
Date Completed : 04-09-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor : North Coast Drilling
Drilling Method : Geoprobe 5400
Sampling Method : Macro Core
Total Depth : 2.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-31

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	DESCRIPTION		
0	GP-1 1.0/1.0	SS-1 0.0-1.0	2.0	NA							Brown, SILT with traces of gravel, moist
1	GP-2 1.0/1.0	SS-2 1.0-2.0	3.0	NA							Brown, SILT with clay and traces of sand and limestone fragments, moist SAMPLE SUBMITTED HEM078:SB31:S010020
2											End of boring



Date Started : 04-09-03
 Date Completed : 04-09-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 4.00
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-32

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	
0	GP-1 2.0/2.0	SS-1 0.0-2.0	2.0	NA					
1									
2	GP-2 2.0/1.0	SS-2 2.0-3.0	5.0	NA					SAMPLE SUBMITTED HEM078:SB32:S020030
3									
4									Weathered LIMESTONE
									End of boring

07-14-2005 F:\clients\HEM\HEM078\Log\SB-32.bor








Date Started : 04-09-03
 Date Completed : 04-09-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor : North Coast Drilling
 Drilling Method : Geoprobe 5400
 Sampling Method : Macro Core
 Total Depth : 4.20
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-33

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static	<input type="checkbox"/> During drilling	
							DESCRIPTION				
0	GP-1 4.0/2.0	SS-1 0.0-4.0	5.0	NA			LIMESTONE gravel				SAMPLE SUBMITTED HEM078:SB33:S000020
1							As above				
2							As above				
3							As above				
4	GP-2 0.2/0.2	SS-2 4.0-4.2	NA	NA			Gray, LIMESTONE, wet End of boring				



Date Started : 04-15-03
 Date Completed : 04-15-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor :
 Drilling Method : Hand Augar
 Sampling Method :
 Total Depth : 5.00
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-34

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static	<input type="checkbox"/> During drilling	
							DESCRIPTION				
0	HA-1 1.0/1.0	SS-1 0.0-1.0	<1.0	NA			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Medium firm, dark brown, SILT, moist
1	HA-2 1.0/1.0	SS-2 1.0-2.0	<1.0	NA			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Stiff, brown, mottled CLAY, moist
2	HA-3 1.0/1.0	SS-3 2.0-3.0	1.0	NA			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	As above
3	HA-4 1.0/1.0	SS-4 3.0-4.0	<1.0	NA			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Hard, brown, mottled CLAY, moist
4	HA-5 1.0/1.0	SS-5 4.0-5.0	2.0	NA			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Soft, brown, silty CLAY, damp
5							<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	End of boring
6											
7											
8											
9											
10											

SAMPLE SUBMITTED
 HEM078:SB34:S040050



Date Started : 04-15-03
 Date Completed : 04-15-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor :
 Drilling Method : Hand Augar
 Sampling Method :
 Total Depth : 5.00
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-35

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static	<input type="checkbox"/> During drilling	
							DESCRIPTION				
0	HA-1 1.0/1.0	SS-1 0.0-1.0	<1.0	NA							Medium firm, dark brown, SILT with clay and vegetation, moist
1	HA-2 1.0/1.0	SS-2 1.0-2.0	<1.0	NA							Stiff, brown, silty CLAY, moist
2	HA-3 1.0/1.0	SS-3 2.0-3.0	<1.0	NA							Hard, brown, mottled CLAY, moist
3	HA-4 1.0/1.0	SS-4 3.0-4.0	<1.0	NA							As above
4	HA-5 1.0/1.0	SS-5 4.0-5.0	2.0	NA							As above
5											End of boring
6											
7											
8											
9											
10											

SAMPLE SUBMITTED
 HEM078:SB35:S040050



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-15-03
Date Completed : 04-15-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor :
Drilling Method : Hand Auger
Sampling Method :
Total Depth : 5.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-36

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input type="checkbox"/> Static <input type="checkbox"/> During drilling		
							DESCRIPTION				
0	HA-1 1.0/1.0	SS-1 0.0-1.0	<1.0	NA							Soft, black, sandy CLAY with vegetation, moist
1	HA-2 1.0/1.0	SS-2 1.0-2.0	<1.0	NA							Soft, brown, silty CLAY, moist
2	HA-3 1.0/1.0	SS-3 2.0-3.0	2.0	NA							Hard, brown, mottled CLAY, moist
3	HA-4 1.0/1.0	SS-4 3.0-4.0	1.0	NA							As above
4	HA-5 1.0/1.0	SS-5 4.0-5.0	1.0	NA							Soft, brown, silty CLAY, moist
5											End of boring
6											
7											
8											
9											
10											

SAMPLE SUBMITTED
HEM078:SB36:S040050



Date Started : 04-15-03
 Date Completed : 04-15-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor :
 Drilling Method : Hand Augur
 Sampling Method :
 Total Depth : 5.00
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-37

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							Sample Interval	Lab Sample	Static	During drilling	
							DESCRIPTION				
0	HA-1 1.0/1.0	SS-1 0.0-1.0	<1.0	NA							Stiff, dark brown, SILT with traces of sand, moist
1	HA-2 1.0/1.0	SS-2 1.0-2.0	<1.0	NA							Stiff, brown, CLAY with mottled traces, moist
2	HA-3 1.0/1.0	SS-3 2.0-3.0	2.0	NA							As above
3	HA-4 1.0/1.0	SS-4 3.0-4.0	2.0	NA							As above
4	HA-5 1.0/1.0	SS-5 4.0-5.0	<1.0	NA							Hard, brown, mottled CLAY, moist
5											End of boring
6											
7											
8											
9											
10											

SAMPLE SUBMITTED
 HEM078:SB37:S040050



BECHTEL MCLAUGHLIN
3612 MILAN ROAD
SANDUSKY, OHIO
HEM078

Date Started : 04-15-03
Date Completed : 04-15-03
Logged By : J. Mielecki
Reviewed By : A. Altman
Drilling Contractor :
Drilling Method : Hand Augar
Sampling Method :
Total Depth : 5.00
Samples : 1
PID Model : OVM 580B

LOG OF BORING SB-38

(Page 1 of 1)

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	
0	HA-1 1.0/1.0	SS-1 0.0-1.0	1.0	NA					Medium stiff, black, SILT with vegetation, moist
1	HA-2 1.0/1.0	SS-2 1.0-2.0	<1.0	NA					Soft, brown, SAND, moist
2	HA-3 1.0/1.0	SS-3 2.0-3.0	<1.0	NA					As above
3	HA-4 1.0/1.0	SS-4 3.0-4.0	<1.0	NA					Stiff, brown, clayey SAND, moist
4	HA-5 1.0/1.0	SS-5 4.0-5.0	2.0	NA					Stiff, brown and gray, mottled CLAY, moist
5									End of boring
6									
7									
8									
9									
10									

SAMPLE SUBMITTED
HEM078:SB38:S040050



Date Started : 04-15-03
 Date Completed : 04-15-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor :
 Drilling Method : Hand Augur
 Sampling Method :
 Total Depth : 3.00
 Samples : 1
 PID Model : OVM 580B

LOG OF BORING SB-39

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample		<input checked="" type="checkbox"/> Static <input type="checkbox"/> During drilling		
							DESCRIPTION				
0	HA-1 1.0/1.0	SS-1 0.0-1.0	<1.0	NA							SAMPLE SUBMITTED HEM078:SB39:S020030
1	HA-2 1.0/1.0	SS-2 1.0-2.0	2.0	NA							
2	HA-3 1.0/1.0	SS-3 2.0-3.0	2.0	NA							
3											
4											
5											
6											
7											
8											
9											
10											



Date Started : 04-15-03
 Date Completed : 04-15-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor :
 Drilling Method : Hand Augar
 Sampling Method :
 Total Depth : 2.00
 Samples : 1
 PID Model : NA

LOG OF BORING SB-40

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	
0	HA-1 2.0/2.0	SS-1 0.0-2.0	NA	NA					SAMPLE SUBMITTED HEM078:SB40:S000020
1								Loose, brown, sandy silty GRAVEL, with brick fragments and concrete fragments, moist	
2									
3									
4									
5									
6									
7									
8									
9									
10									



Date Started : 04-15-03
 Date Completed : 04-15-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor :
 Drilling Method : Hand Augar
 Sampling Method :
 Total Depth : 2.00
 Samples : 1
 PID Model : NA

LOG OF BORING SB-41

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples	Water Levels	REMARKS
							<input type="checkbox"/> Sample Interval <input checked="" type="checkbox"/> Lab Sample	<input type="checkbox"/> Static <input type="checkbox"/> During drilling	
0	HA-1 2.0/2.0	SS-1 0.0-2.0	NA	NA					SAMPLE SUBMITTED HEM078:SB41:S000020
1								Loose, brown, sandy silty GRAVEL, with brick fragments and concrete fragments, moist	
2									
3									
4									
5									
6									
7									
8									
9									
10									



Date Started : 04-15-03
 Date Completed : 04-15-03
 Logged By : J. Mielecki
 Reviewed By : A. Altman
 Drilling Contractor :
 Drilling Method : Hand Augar
 Sampling Method :
 Total Depth : 2.00
 Samples : 1
 PID Model : NA

LOG OF BORING SB-42

(Page 1 of 1)

BECHTEL MCLAUGHLIN
 3612 MILAN ROAD
 SANDUSKY, OHIO
 HEM078

PID Calibration : 100 ppm Isobutylene

Depth in Feet	Length Drive/ Sample Recovery (ft.)	Sample Number/ Sample Interval	PID	Blow Count (6"-12"-6")	Samples	GRAPHIC	Soil Samples		Water Levels		REMARKS
							<input type="checkbox"/> Sample Interval	<input type="checkbox"/> Lab Sample	<input type="checkbox"/> Static	<input type="checkbox"/> During drilling	
							DESCRIPTION				
0	HA-1 2.0/2.0	SS-1 0.0-2.0	NA	NA			Loose, brown, sandy silty GRAVEL, with brick fragments and concrete fragments, moist				SAMPLE SUBMITTED HEM078:SB42:S000020
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											

APPENDIX B

Groundwater Sampling Field Data Sheets



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLOON, OHIO
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
GROUNDWATER SAMPLING

WELL I.D. MW-1

CLIENT HEMISPHERE SITE LOCATION SALOUSKY

SITE NO. _____ PROJECT NO. HEM 078

AIR TEMPERATURE 80° WEATHER CONDITIONS Sunny

TYPE OF WELL CONSTRUCTION 2" PVC

CONDITION OF WELL circle (GOOD) / POOR) if poor, specify _____

CAP LOCKED (YES) / NO) _____ LOCK NO. _____

DEPTH TO WATER 2.38 FEET TOTAL DEPTH 22.93 FEET

FREE PRODUCT circle (YES (NO)) DEPTH TO PRODUCT _____ FEET

PRODUCT THICKNESS _____ FEET

SAMPLE DATE 4/15/03 SAMPLE NO. HEM078 MW1: 4015 041503

SAMPLING TEAM JLM

PURGE DATA		FIELD TESTING / WELL VOLUME		
VOLUME PURGED (GALLONS)/ WELL VOLUME	NO. OF WELL VOLUMES	TEMPERATURE C	pH AT 25 C	CONDUCTIVITY units AT 25C
N/A	INITIAL	13.5	7.90	538 $\mu\text{S}/\text{cm}$
3.3	1	13.9	7.80	549 $\mu\text{S}/\text{cm}$
5.3 DRY	2			
	3			
	4			
	5			

ONE WELL VOLUME EQUALS: 3.3 gal GALLONS

COLOR: _____ TURBIDITY: _____ RECOVERY: _____

FE²⁺ _____ mg/l ORP _____ mv

COMMENTS: _____

VOLUME PER LINEAR FEET
2" - .16 gal. 8" - 2.61 gal.
4" - .65 gal. 12" - 5.89 gal.
6" - 1.47 gal.

13:50



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLOM, OHIO
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
GROUNDWATER SAMPLING

WELL I.D. MW-2

CLIENT HEMISPHERE SITE LOCATION SANDUSKY

SITE NO. _____ PROJECT NO. HEM078

AIR TEMPERATURE 80° WEATHER CONDITIONS Sunny

TYPE OF WELL CONSTRUCTION 2" PVC

CONDITION OF WELL circle (GOOD) / (POOR) if poor, specify _____

CAP LOCKED (YES) / (NO) _____ LOCK NO. _____

DEPTH TO WATER 2.52 FEET TOTAL DEPTH 22.92 FEET

FREE PRODUCT circle (YES) / (NO) DEPTH TO PRODUCT _____ FEET

PRODUCT THICKNESS _____ FEET

SAMPLE DATE 4/16/03 SAMPLE NO. HEM078: MW2: 6041502

SAMPLING TEAM _____

PURGE DATA		FIELD TESTING / WELL VOLUME		
VOLUME PURGED (GALLONS) / WELL VOLUME	NO. OF WELL VOLUMES	TEMPERATURE C	pH AT 25 C	CONDUCTIVITY units AT 25C
N/A	INITIAL	15.5	7.72	3,28 mS/cm
3.3	1	14.2	7.62	3,79 mS/cm
6.6	2	14.1	7.53	3.99
Dry	3			
	4			
	5			

ONE WELL VOLUME EQUALS: 3.3 GALLONS

COLOR: _____ TURBIDITY: _____ RECOVERY: _____

FE²⁺ _____ mg/l ORP _____ mv

COMMENTS: _____

VOLUME PER LINEAR FEET
2" - .16 gal. 8" - 2.61 gal.
4" - .65 gal. 12" - 5.89 gal.
6" - 1.47 gal.

14:10



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLOON, OHIO
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
GROUNDWATER SAMPLING

WELL I.D. 2" mw-3

CLIENT HEMISPHERE SITE LOCATION _____
 SITE NO. SINDUSKY PROJECT NO. HEMOTB
 AIR TEMPERATURE 80° WEATHER CONDITIONS SUNNY
 TYPE OF WELL CONSTRUCTION 2" pvc
 CONDITION OF WELL circle (GOOD) / (POOR) if poor, specify _____
 CAP LOCKED (YES / NO) LOCK NO. CAP BROKEN
 DEPTH TO WATER 2.09 FEET TOTAL DEPTH 22.69 FEET
 FREE PRODUCT circle (YES / NO) DEPTH TO PRODUCT _____ FEET
 PRODUCT THICKNESS _____ FEET
 SAMPLE DATE 4/15/03 SAMPLE NO. HEMOTB MW3 6041503 572
 SAMPLING TEAM JLM

PURGE DATA		FIELD TESTING / WELL VOLUME		
VOLUME PURGED (GALLONS)/ WELL VOLUME	NO. OF WELL VOLUMES	TEMPERATURE C	pH AT 25 C	CONDUCTIVITY units AT 25C
N/A	INITIAL	14.7	7.29	303 $\mu\text{S}/\text{cm}$
3.3	1	13.3	7.34	3.04 $\mu\text{S}/\text{cm}$
4.5 DRY	2	—	—	—
	3			
	4			
	5			

ONE WELL VOLUME EQUALS: 3.3 GALLONS
 COLOR: _____ TURBIDITY: _____ RECOVERY: _____
 FE²⁺ _____ mg/l ORP _____ mv
 COMMENTS: _____

VOLUME PER LINEAR FEET
 2" - .16 gal. 8" - 2.61 gal.
 4" - .65 gal. 12" - 5.89 gal.
 6" - 1.47 gal.

13.00

H&A 5/17/03



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLOM, OHIO
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
GROUNDWATER SAMPLING

WELL I.D. MW-5

CLIENT HEMISPHERE SITE LOCATION SANDUSKY

SITE NO. _____ PROJECT NO. HEM 078

AIR TEMPERATURE 86° WEATHER CONDITIONS SCUDY

TYPE OF WELL CONSTRUCTION 2" PVC

CONDITION OF WELL circle (GOOD / POOR) if poor, specify _____

CAP LOCKED (YES) / NO) _____ LOCK NO. _____

DEPTH TO WATER 2.85 FEET TOTAL DEPTH 15.3 FEET

FREE PRODUCT circle (YES / NO) _____ DEPTH TO PRODUCT _____ FEET

PRODUCT THICKNESS _____ FEET

SAMPLE DATE 4/15/03 SAMPLE NO. HEM078 MW5 6051503

SAMPLING TEAM JM

PURGE DATA		FIELD TESTING / WELL VOLUME		
VOLUME PURGED (GALLONS)/ WELL VOLUME	NO. OF WELL VOLUMES	TEMPERATURE C	pH AT 25 C	CONDUCTIVITY unts AT 25C
N/A	INITIAL	12.0	7.74	1046 $\mu S/cm$
2.0	1	11.4	7.65	1043 $\mu S/cm$
4.0	2	12.0	7.62	1040 $\mu S/cm$
6.0	3	10.9	7.37	1116 $\mu S/cm$
	4			
	5			

ONE WELL VOLUME EQUALS: 2.0 GALLONS

COLOR: _____ TURBIDITY: _____ RECOVERY: _____

FE²⁺ _____ mg/l ORP _____ mv

COMMENTS: _____

VOLUME PER LINEAR FEET
2" - .16 gal. 8" - 2.61 gal.
4" - .65 gal. 12" - 5.89 gal.
6" - 1.47 gal.

4400000000
2/18/04 JMT



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLON, OHIO
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
GROUNDWATER SAMPLING

WELL I.D. MW-16

CLIENT HEMISPHERE SITE LOCATION JANDUSKY
 SITE NO. _____ PROJECT NO. HEM078
 AIR TEMPERATURE 80° WEATHER CONDITIONS SUNNY
 TYPE OF WELL CONSTRUCTION 2" PVC
 CONDITION OF WELL circle (GOOD) / POOR) if poor, specify _____
 CAP LOCKED (YES) / NO) _____ LOCK NO. _____
 DEPTH TO WATER 2.97 FEET TOTAL DEPTH 20.06 FEET
 FREE PRODUCT circle (YES / (NO)) DEPTH TO PRODUCT _____ FEET
 PRODUCT THICKNESS _____ FEET
 SAMPLE DATE 4/15/03 SAMPLE NO. HEM078-MW6-6041503
 SAMPLING TEAM _____

PURGE DATA		FIELD TESTING / WELL VOLUME		
VOLUME PURGED (GALLONS)/ WELL VOLUME	NO. OF WELL VOLUMES	TEMPERATURE C	pH AT 25 C	CONDUCTIVITY units AT 25C
N/A	INITIAL	12.7	7.82	915 μ S/cm
2.7	1	12.6	7.84	914 μ S/cm
5.4	2	13.3	7.97	515 915 μ S/cm
DRY	3			
	4			
	5			

ONE WELL VOLUME EQUALS: 2.7 GALLONS
 COLOR: _____ TURBIDITY: _____ RECOVERY: _____
 FE²⁺ _____ mg/l ORP _____ mv
 COMMENTS: _____

VOLUME PER LINEAR FEET
 2" - .16 gal. 8" - 2.61 gal.
 4" - .65 gal. 12" - 5.89 gal.
 6" - 1.47 gal.

16:00



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLON, OHIO
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
GROUNDWATER SAMPLING

WELL I.D. MW-7

CLIENT HEMISPHERE SITE LOCATION SANDUSKY
 SITE NO. _____ PROJECT NO. HEM078
 AIR TEMPERATURE 80° WEATHER CONDITIONS SUNNY
 TYPE OF WELL CONSTRUCTION 2" PVC
 CONDITION OF WELL circle (GOOD) / POOR) if poor, specify _____
 CAP LOCKED (YES / NO) _____ LOCK NO. _____
 DEPTH TO WATER 4.42 FEET TOTAL DEPTH 15.73 FEET
 FREE PRODUCT circle (YES / NO) _____ DEPTH TO PRODUCT _____ FEET
 PRODUCT THICKNESS _____ FEET
 SAMPLE DATE 4/15/03 SAMPLE NO. HEM078 MW7: G041303
 SAMPLING TEAM JLM

PURGE DATA		FIELD TESTING / WELL VOLUME		
VOLUME PURGED (GALLONS)/ WELL VOLUME	NO. OF WELL VOLUMES	TEMPERATURE C	pH AT 25 C	CONDUCTIVITY units AT 25C
N/A	INITIAL	13.8	7.66	1845 μ S/cm
1.8	1	13.2	7.73	1732 μ S/cm
3.6	2	12.6	7.85	1733 μ S/cm
5.4	3	12.3	8.12	1819 μ S/cm
	4			
	5			

ONE WELL VOLUME EQUALS: 1.8 GALLONS
 COLOR: _____ TURBIDITY: _____ RECOVERY: _____
 FE²⁺ _____ mg/l ORP _____ mv
 COMMENTS: _____

VOLUME PER LINEAR FEET
 2" - .16 gal. 8" - 2.61 gal.
 4" - .65 gal. 12" - 5.89 gal.
 6" - 1.47 gal.

14:50



HULL & ASSOCIATES, INC.
6161 COCHRAN ROAD, SUITE A
SOLOM, OHIO
TELEPHONE (440) 519-2555
FAX (440) 519-2560

FIELD DATA SHEET
GROUNDWATER SAMPLING

WELL I.D. MW-8

CLIENT Hemphill SITE LOCATION MW-8
 SITE NO. SAWDOSKY PROJECT NO. HEM078
 AIR TEMPERATURE 75' WEATHER CONDITIONS Sunny
 TYPE OF WELL CONSTRUCTION PVC
 CONDITION OF WELL circle (GOOD) / POOR) if poor, specify _____
 CAP LOCKED (YES) / NO) LOCK NO. _____
 DEPTH TO WATER 2.32 FEET TOTAL DEPTH 15.52 FEET
 FREE PRODUCT circle (YES / (NO)) DEPTH TO PRODUCT _____ FEET
 PRODUCT THICKNESS _____ FEET
 SAMPLE DATE 4/15/03 SAMPLE NO. HEM078 MW8/6041503.572
 SAMPLING TEAM JLM

PURGE DATA		FIELD TESTING / WELL VOLUME		
VOLUME PURGED (GALLONS)/ WELL VOLUME	NO. OF WELL VOLUMES	TEMPERATURE C	pH AT 25 C	CONDUCTIVITY units <u>µS/cm</u> AT 25C
N/A	INITIAL	13.4	5.40	1701
2.1	1	12.0	6.14	3.68 <u>µS/cm</u>
4.2	2	13.0	6.28	3.46 <u>µS/cm</u>
DRY	3			
	4			
	5			

ONE WELL VOLUME EQUALS: 2.1 GALLONS
 COLOR: _____ TURBIDITY: _____ RECOVERY: 4.2 gal
 FE²⁺ _____ mg/l ORP _____ mv
 COMMENTS: _____

VOLUME PER LINEAR FEET
 2" - .16 gal. 8" - 2.61 gal.
 4" - .65 gal. 12" - 5.89 gal.
 6" - 1.47 gal.

11:30



HULL & ASSOCIATES, INC.
 6161 COCHRAN ROAD, SUITE A
 SOLON, OHIO
 TELEPHONE (440) 519-2555
 FAX (440) 519-2560

FIELD DATA SHEET
 GROUNDWATER SAMPLING

WELL I.D. MW-9

CLIENT HEMISPHERE SITE LOCATION SANDUSKY

SITE NO. _____ PROJECT NO. HEM078

AIR TEMPERATURE 80° WEATHER CONDITIONS SUNNY

TYPE OF WELL CONSTRUCTION 3" PVC

CONDITION OF WELL circle (GOOD / POOR) if poor, specify _____

CAP LOCKED (YES / NO) _____ LOCK NO. _____

DEPTH TO WATER 10.61 FEET TOTAL DEPTH 15.10 FEET

FREE PRODUCT circle (YES / NO) _____ DEPTH TO PRODUCT _____ FEET

PRODUCT THICKNESS _____ FEET

SAMPLE DATE 4/15/03 SAMPLE NO. HEM078 MW9 9041503

SAMPLING TEAM JM

PURGE DATA		FIELD TESTING / WELL VOLUME		
VOLUME PURGED (GALLONS)/ WELL VOLUME	NO. OF WELL VOLUMES	TEMPERATURE C	pH AT 25 C	CONDUCTIVITY units AT 25C
N/A	INITIAL	15.7	8.02	240 μ S/cm
.81	1	13.8	7.93	238 μ S/cm
1.0	2			
DRY	3			
	4			
	5			

ONE WELL VOLUME EQUALS: 0.81 GALLONS

COLOR: _____ TURBIDITY: _____ RECOVERY: _____

FE²⁺ _____ mg/l ORP _____ mv

COMMENTS: _____

VOLUME PER LINEAR FEET
 2" - .16 gal. 8" - 2.61 gal.
 4" - .65 gal. 12" - 5.89 gal.
 6" - 1.47 gal.

15:32

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client Bechtel McLaughlin Well I.D. MW-10
 Site No. _____ Site Location 3112 Milan Rd
 Project No. & Phase HEMO 78 OLSMP
 Weather Conditions & Approx. Air Temperature 60° cloudy
 Type of Well Construction 2" steel up
 Condition of Well (Good/ Poor); if poor, specify _____
 Cap Locked (Yes/ No) _____ Lock No. No 130 - I8008
 Depth to Water 6.70 casing feet Total Depth of Well 21.05 feet
 LNAPL (Yes / No), Depth to LNAPL — feet
 LNAPL Thickness — feet
 Sample Date 04/30/03 ^{Time} 13:25 Sample No. HEMO78MW103043003
 Purging Method HAND BAIL

WELL PURGING			PARAMETERS					
AE	APPROX. VOLUME PURGED(GALLONS)/ WELL VOLUME	NO. OF WELL VOLUMES	TEMP. °C	pH (S.U.) at 25°C	COND. Units <u>µg</u> at 25°C	Units _____	Units _____	Units _____
1305	NA	Static Conditions	12.2	8.00	955			
1310		1	11.7	7.57	956			
1315		2	11.5	7.59	955			
1320		3	11.7	7.54	953			
		4						
		5						

One Well Volume Equals 2.30 Gallons

Comments _____ Field Blank @ 13:35

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client Bechtel McLaughlin Well I.D. MW-11
 Site No. _____ Site Location 3012 Milan Rd
 Project No. & Phase HEMO 78 OLSMP

Weather Conditions & Approx. Air Temperature 60° cloudy

Type of Well Construction 2" Stalup

Condition of Well (Good/ Poor); if poor, specify _____

Cap Locked (Yes/ No) _____ Lock No. No 130 - I8008

Depth to Water 7.02 (casing) feet Total Depth of Well 23.60 feet

LNAPL (Yes / No), Depth to LNAPL _____ feet

LNAPL Thickness _____ feet

Sample Date 04/30/03 ^{time} 14:20 Sample No. HEMO78MW11G043003

Purging Method HAND BAIL HEMO78MW11G043003A
Duplicate

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 _____
13:55	NA	Static Conditions	9.9	7.85	1347			
14:00		1	9.1	7.66	1370			
14:05		2	9.3	7.63	1365			
14:10		3	9.1	7.68	1358			
		4						
		5						

One Well Volume Equals 2.65 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client Bechtel McLaughlin Well I.D. MW-12
 Site No. _____ Site Location 3612 Milan RD
 Project No. & Phase HEMO 78 OLSMP
 Weather Conditions & Approx. Air Temperature 60° Cloudy
 Type of Well Construction 2" Stakeup
 Condition of Well (Good/ Poor); if poor, specify _____
 Cap Locked (Yes/ No) _____ Lock No. No 130 - I8008
 Depth to Water 7.04 (Casing) feet Total Depth of Well _____ feet
 LNAPL (Yes / No), Depth to LNAPL _____ feet
 LNAPL Thickness _____ feet
 Sample Date 04/30/03 ^{Time} 14:55 Sample No. HEMO78MW123043003
 Purging Method HAND BAR

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
14:35	NA	Static Conditions	9.5	8.14	1419			
14:40		1	9.3	7.82	1445			
14:45		2	9.1	7.81	1438			
14:50		3	9.3	7.78	1442			
		4						
		5						

One Well Volume Equals 1.82 Gallons

Comments _____

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

GROUNDWATER SAMPLING
FIELD DATA SHEET

Client HEMISPHERE Well I.D. MW-13
 Site No. HEM078 - PERKINS TWP Site Location SANDUSKY, OH
 Project No. & Phase HEM078 01.SMP
 Weather Conditions & Approx. Air Temperature SLIMY - WARM - HUMID @ 75°F
 Type of Well Construction 2-INCH PVC
 Condition of Well (Good/Poor); if poor, specify _____
 Cap Locked (Yes/No) _____ Lock No. _____
 Depth to Water 28.12' feet Total Depth of Well 34.03 feet
 LNAPL (Yes/No) Depth to LNAPL _____ feet
 LNAPL Thickness _____ feet
 Sample Date 5-10-03 Sample No. HEM078: MW13: G051003: 598
 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	Units	Units	Units
	NA	Static Conditions	↔					
		1	7.91	15.1	NL			
		2	7.89	15.0	↓			
		3	7.87	14.9				
		4	7.85	14.9				
		5						

One Well Volume Equals ~ 1.0 Gallons

Comments NL = Not Collected

Drum Inventory: Soil _____ Purge Water _____ LNAPL _____

APPENDIX C

Chemical Laboratory Results/Chain of Custody Records



Laboratory Analytical Report

Hull & Associates

6161 Cochran Rd., Suite A

Solon, OH 44139

Attention:

Adam Altman

Project Identification

Sandusky HEM078

Purchase Order:

EA Group

Order Number

0305-00202

A handwritten signature in black ink, appearing to read "Donald R. Richner".

Donald R. Richner, CIH

Laboratory Manager

May 19, 2003



EA GROUP

Laboratories

Project Summary

The following analytical report contains the results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data have been found to be compliant with accepted laboratory protocol. Exceptions, if any, are noted below. Analytes appearing in bold type were analyzed at a subcontract facility. EA Group is VAP, AIHA and ELLAP accredited. For industrial hygiene reports, air and/or surface concentrations results are based upon field sampling information provided by the client. Unless otherwise noted the following apply: Sample condition was acceptable upon receipt and Industrial hygiene results will not be blank corrected.

Data Interpretation

For assistance with report interpretation or questions regarding regulatory limits, please contact Client Services at 440-951-3514 or customerservice@eagroup-ohio.com.

Sample Summary

Sample Receive Date: 5/16/2003

EAG	Client
<u>Sample Identification</u>	<u>Sample Identification</u>
030500202 - 001	MW13D:G051603

EAG	Client
<u>Sample Identification</u>	<u>Sample Identification</u>

Quality Control Narrative

Reproduction of this report is prohibited except in its entirety. Unless noted, soil, sludge, and sediment results are reported on dry weight basis. The "Sample Reporting Limit" is based on the method used for analysis and does not refer to any regulatory limit. These results relate only to the items tested.



EAG GROUP
Laboratories

EAG Workorder: 0305-00202

Client Project: Sandusky HEM078

EAG ID: 0305-00202-1

Client ID: MW13D:G051603

Sampled: 5/16/2003

Received: 5/16/2003

<u>Parameter</u>	<u>Result</u>	<u>Sample Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
TDS: EPA 160.1	1200	5.0	mg/liter	5/16/2003	5/16/2003	SLD



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) 459-9677
 Fax: (513) 459-9688

REPORT TO: Annex Airway

Client: _____

Site: Hemo-Sanousky

Project#: Hem 079 Phase:

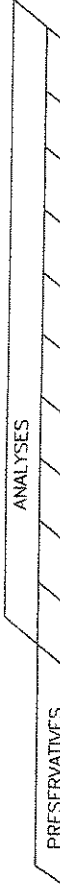
Samplers: Mielock

CHAIN OF CUSTODY RECORD

207

PAGE 1 OF 7

NO. 69978



SAMPLE TYPES:
 A - AIR
 C - ASPHALT
 D - SEDIMENT
 B - GROUNDWATER
 E - PRODUCT
 S - SOIL
 W - WATER
 Z - OTHERS

PRESERVATIVES:
 A - Cool only, <4° C
 B - HNO₃, pH<2
 C - H₂SO₄, pH<2
 D - NaOH, pH>12
 E - Zirconate + NaOH, pH>9
 F - No₂-S₂O₄ (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	COMMENTS
			572		4/12/00	X

DELIVER TO: EA GROUP
 METHOD OF DELIVERY: _____
 AIRBILL NUMBER: _____

NOTES: _____
 TURN AROUND TIME: _____ DAYS

RECEIVED BY: _____ DATE: 5-16-00 TIME: 17:20
 RECEIVED BY: _____ DATE: - TIME: -
 RECEIVED FOR LAB BY: _____ DATE: 5-16-00 TIME: 17:20

DISTRIBUTION: _____ °C

---LAB USE (MUST BE RETURNED WITH REPORT)
 YELLOW ---LAB USE
 PINK ---RETURNED BY RM

1000 300 0168.DWG
 07/26/99 RMAAC



Laboratory Analytical Report

Hull & Associates

6161 Cochran Rd., Suite A

Solon, OH 44139

Attention:

Adam Altman

Project Identification

Hemisphere HEM078

Purchase Order:

EA Group

Order Number

0305-00189

A handwritten signature in black ink, appearing to read "Donald R. Richner", with the initials "DR" written below it.

Donald R. Richner, CIH

Laboratory Manager

May 16, 2003



Project Summary

The following analytical report contains the results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data have been found to be compliant with accepted laboratory protocol. Exceptions, if any, are noted below. Analytes appearing in bold type were analyzed at a subcontract facility. EA Group is VAP, AIHA and ELLAP accredited. For industrial hygiene reports, air and/or surface concentrations results are based upon field sampling information provided by the client. Unless otherwise noted the following apply: Sample condition was acceptable upon receipt and Industrial hygiene results will not be blank corrected.

Data Interpretation

For assistance with report interpretation or questions regarding regulatory limits, please contact Client Services at 440-951-3514 or customerservice@eagroup-ohio.com.

Sample Summary

Sample Receive Date: 5/15/03

EAG	Client	EAG	Client
<u>Sample Identification</u>	<u>Sample Identification</u>	<u>Sample Identification</u>	<u>Sample Identification</u>
030500189 - 001	MW12D:G051503		

Quality Control Narrative

Reproduction of this report is prohibited except in its entirety. Unless noted, soil, sludge, and sediment results are reported on dry weight basis. The "Sample Reporting Limit" is based on the method used for analysis and does not refer to any regulatory limit. These results relate only to the items tested.



EAG GROUP
Laboratories

EAG Workorder: 0305-00189

Client Project: Hemisphere HEM078

EAG ID: 0305-00189-1

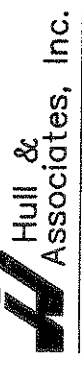
Client ID: MW12D:G051503

Sampled: 5/15/2003

Received: 5/15/2003

<u>Parameter</u>	<u>Result</u>	<u>Sample Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
TDS: EPA 160.1	500	5.0	mg/liter	5/15/2003	5/15/2003	SLD

189



CHAIN OF CUSTODY RECORD

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)385-5469

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: ARWA ALTRAK

Client: ALTRAK
 Site: WARRENVILLE
 Project#: Phase: HEMO18
 Samplers: MICIECKI

ANALYSES	PRESERVATIVES

- SAMPLE TYPES**
- A - AIR
 - C - ASBESTOS
 - D - SEDIMENT
 - G - 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 - ZnAcetate + NaOH, pH>9
 - F - Na₂S₂O₃ (0.008%)
 - G - HCl, pH<2
- METALS**
- F - FILTERED
 - A - ALIQUOT
 - B - BOTH

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE	SAMPLER ID	NO. OF METALS CONT.	SAMPLING DATE/TIME	COMMENTS

RELINQUISHED BY: [Signature] DATE: 5-15-03 TIME: 10:00

RELINQUISHED BY: [Signature] DATE: 5-15-03 TIME: 10:00

RELINQUISHED BY: [Signature] DATE: 5-15-03 TIME: 10:00

COOLER TEMPERATURE AS RECEIVED °C : _____ °C

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

NOTES: _____

TURN AROUND TIME: 2M DAYS hrs.

DISTRIBUTION:

- WHITE --- LAB USE (MUST BE RETURNED WITH REPORT)
- YELLOW --- LAB USE
- PINK --- RETAINED BY HQ

1000_300_0168.DWG 07/26/98 KMAK

HEM078



Laboratory Analytical Report


Hull & Associates
6161 Cochran Rd., Suite A
Solon, OH 44139

Attention:
Adam Altman

Project Identification
HEM078

Purchase Order:

EA Group
Order Number
0301-00277


Donald R. Richner, CIH
Laboratory Manager

January 28, 2003

JAN 29 REC'D



Project Summary

The following analytical report contains the results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data have been found to be compliant with accepted laboratory protocol. Exceptions, if any, are noted below. Analytes appearing in bold type were analyzed at a subcontract facility. EA Group is VAP, AIHA and ELLAP accredited. For industrial hygiene reports, air and/or surface concentrations results are based upon field sampling information provided by the client. Unless otherwise noted the following apply: Sample condition was acceptable upon receipt and Industrial hygiene results will not be blank corrected.

Data Interpretation

For assistance with report interpretation or questions regarding regulatory limits, please contact Client Services at 440-951-3514 or customerservice@eagroup-ohio.com.

Sample Summary

Sample Receive Date: 1/27/2003

EAG	Client	EAG	Client
<u>Sample Identification</u>	<u>Sample Identification</u>	<u>Sample Identification</u>	<u>Sample Identification</u>
030100277 - 001	HEM:MW1:G012703:336	030100277 - 002	HEM:MW1D:G012703:336
030100277 - 003	HEM:MW2:G012703:336		

Quality Control Narrative

Reproduction of this report is prohibited except in its entirety . Unless noted, soil, sludge, and sediment results are reported on dry weight basis. The "Sample Reporting Limit" is based on the method used for analysis and does not refer to any regulatory limit. These results relate only to the items tested.



EAG Workorder: 0301-00277

Client Project: HEM078

EAG ID: 0301-00277-1 Client ID: HEM:MW1:G012703:336 Sampled: 1/27/2003 Received: 1/27/2003

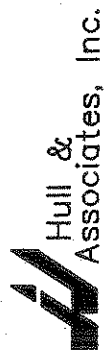
<u>Parameter</u>	<u>Result</u>	<u>Sample Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Conductance as NaCl TDS: EPA 120.1	1895	1.0	PPM	1/27/2003	1/27/2003	SLD
TDS: EPA 160.1	2600	5.0	mg/liter	1/27/2003	1/27/2003	SLD
pH: EPA 150.1	7.9		pH units	1/27/2003	1/27/2003	SLD

EAG ID: 0301-00277-2 Client ID: HEM:MW1D:G012703:336 Sampled: 1/27/2003 Received: 1/27/2003

<u>Parameter</u>	<u>Result</u>	<u>Sample Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Conductance as NaCl TDS: EPA 120.1	1901	1.0	PPM	1/27/2003	1/27/2003	SLD
TDS: EPA 160.1	2700	5.0	mg/liter	1/27/2003	1/27/2003	SLD
pH: EPA 150.1	7.9		pH units	1/27/2003	1/27/2003	SLD

EAG ID: 0301-00277-3 Client ID: HEM:MW2:G012703:336 Sampled: 1/27/2003 Received: 1/27/2003

<u>Parameter</u>	<u>Result</u>	<u>Sample Reporting Limit</u>	<u>Units</u>	<u>Prep Date</u>	<u>Analysis Date</u>	<u>Analyst</u>
Conductance as NaCl TDS: EPA 120.1	1450	1.0	PPM	1/27/2003	1/27/2003	SLD
TDS: EPA 160.1	1400	5.0	mg/liter	1/27/2003	1/27/2003	SLD
pH: EPA 150.1	7.4		pH units	1/27/2003	1/27/2003	SLD



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

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

REPORT TO: John Adams

Client: Hempden
 Site: Sandusky
 Project#: HEMPDEN Phase: OL AWL
 Samplers: A Adams

CHAIN OF CUSTODY RECORD

RUSH

PAGE 1 OF 1

NO. 00588

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE	SAMPLER ID	NO. OF CONT.	METALS	SAMPLING DATE/TIME	COMMENTS	PRESERVATIVES		ANALYSES	
								PRE	POST	PRE	POST
HEMPDEN: AW1		AW1	336	1	✓	11/27/03					
↓		AW1D	336	1	✓	11/27/03					
↓		AW2	336	1	✓	11/27/03					
:		:	:	:							
:		:	:	:							
:		:	:	:							
:		:	:	:							
:		:	:	:							
:		:	:	:							
:		:	:	:							
:		:	:	:							
:		:	:	:							
:		:	:	:							

RELINQUISHED BY: John Adams DATE: 1-27-03 TIME: 11-10-00

RELINQUISHED BY: John Adams DATE: 1-27-03 TIME: 11-12-00

RELINQUISHED BY: John Adams DATE: 1-27-03 TIME: 11-12-00

COOLER TEMPERATURE AS RECEIVED °C: _____

DELIVER TO: EA DATE: 1-27-03 TIME: 4-13-00

METHOD OF DELIVERY: TRUCK

AIRBILL NUMBER: _____

NOTES: Call # 216-956-7598
last samples from TDS probe

TURN AROUND TIME: 2 DAYS

TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07993
Report Date: 04/28/2003
Page: 1 of 9

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

Project: HEM078

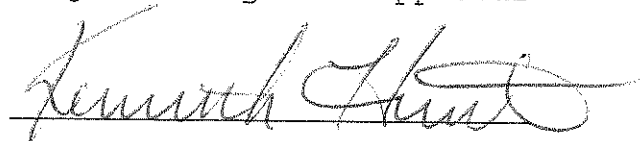
<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
838058	HEM078:SB34:S040050	04/15/2003	04/18/2003
838059	HEM078:SB35:S040050	04/15/2003	04/18/2003
838060	HEM078:SB36:S040050	04/15/2003	04/18/2003
838061	HEM078:SB37:S040050	04/15/2003	04/18/2003
838062	HEM078:SB38:S040050	04/15/2003	04/18/2003
838063	HEM078:SB39:S020030	04/15/2003	04/18/2003
838064	HEM078:SB40:S000020	04/15/2003	04/18/2003
838065	HEM078:SB41:S000020	04/15/2003	04/18/2003
838066	HEM078:SB42:S000020	04/15/2003	04/18/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval



TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07993
 Report Date: 04/28/2003
 Page: 2 of 9

SAMPLE NO. 838058 **SAMPLE DESCRIPTION** HEM078:SB34:S040050 **DATE/TIME TAKEN** 04/15/2003 17:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/23/2003		2079		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.335	mg/kg dw	<0.157		04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	79.6	%	0.1		04/21/2003	16:15		2299	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/21/2003	12:21		1924	emd	DT	SW 6010B
Arsenic, GFAA	10.7	mg/kg dw	<1.05		04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	53.0	mg/kg dw	<1.6		04/21/2003	12:21	1388	3871	emd	DT	SW 6010B
Cadmium, ICP	<2.5	mg/kg dw	<2.5		04/21/2003	12:21	1388	3853	emd	DT	SW 6010B
Chromium, ICP	14	mg/kg dw	<3.4		04/21/2003	12:21	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	11	mg/kg dw	<1.6		04/21/2003	12:21	1388	3958	emd	DT	SW 6010B
Copper, ICP	20.6	mg/kg dw	<1.6		04/21/2003	12:21	1388	3889	emd	DT	SW 6010B
Lead, ICP	13.2	mg/kg dw	<6.7		04/21/2003	12:21	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.0202	mg/kg dw	<0.010		04/23/2003	08:40	1037	1465	jlr	DT	SW 7471A
Nickel, ICP	20.9	mg/kg dw	<0.84		04/21/2003	12:21	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.4	mg/kg dw	<8.4		04/21/2003	12:21	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.4	mg/kg dw	<3.4		04/21/2003	12:21	1388	3872	emd	DT	SW 6010B
Zinc, ICP	48.4	mg/kg dw	<4.1		04/21/2003	12:21	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/19/2003		1236		jgs	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

SAMPLE NO. 838059 **SAMPLE DESCRIPTION** HEM078:SB35:S040050 **DATE/TIME TAKEN** 04/15/2003 18:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/23/2003		2079		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.158	mg/kg dw	<0.158		04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	79.2	%	0.1		04/21/2003	16:15		2299	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/21/2003	12:24		1924	emd	DT	SW 6010B
Arsenic, GFAA	12.1	mg/kg dw	<1.02		04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	85.6	mg/kg dw	<1.6		04/21/2003	12:24	1388	3871	emd	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07993
 Report Date: 04/28/2003
 Page: 3 of 9

SAMPLE NO. 838059 **SAMPLE DESCRIPTION** HEM078:SB35:S040050 **DATE/TIME TAKEN** 04/15/2003 18:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cadmium, ICP	<2.5	mg/kg dw	<2.5		04/21/2003	12:24	1388	3853	emd	DT	SW 6010B
Chromium, ICP	13	mg/kg dw	<3.3		04/21/2003	12:24	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	10	mg/kg dw	<1.6		04/21/2003	12:24	1388	3958	emd	DT	SW 6010B
Copper, ICP	25.4	mg/kg dw	<1.6		04/21/2003	12:24	1388	3889	emd	DT	SW 6010B
Lead, ICP	15.4	mg/kg dw	<6.7		04/21/2003	12:24	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.0236	mg/kg dw	<0.010		04/23/2003	08:42	1037	1465	jlr	DT	SW 7471A
Nickel, ICP	30.3	mg/kg dw	<0.83		04/21/2003	12:24	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.3	mg/kg dw	<8.3		04/21/2003	12:24	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.3	mg/kg dw	<3.3		04/21/2003	12:24	1388	3872	emd	DT	SW 6010B
Zinc, ICP	71.8	mg/kg dw	<4.2		04/21/2003	12:24	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/19/2003		1236		jgs	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

SAMPLE NO. 838060 **SAMPLE DESCRIPTION** HEM078:SB36:S040050 **DATE/TIME TAKEN** 04/15/2003 18:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/23/2003		2079		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total Dry Weight	<0.156	mg/kg dw	<0.156		04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
ICP NONAQUEOUS	Complete		Complete		04/21/2003	16:15		2299	anb	DT	SM 2540 G.
Arsenic, GFAA	8.86	mg/kg dw	<1.04		04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	69.7	mg/kg dw	<1.6		04/21/2003	12:27	1388	3871	emd	DT	SW 6010B
Cadmium, ICP	<2.4	mg/kg dw	<2.4		04/21/2003	12:27	1388	3853	emd	DT	SW 6010B
Chromium, ICP	12	mg/kg dw	<3.3		04/21/2003	14:00	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	12	mg/kg dw	<1.6		04/21/2003	12:27	1388	3958	emd	DT	SW 6010B
Copper, ICP	21.0	mg/kg dw	<1.6		04/21/2003	12:27	1388	3889	emd	DT	SW 6010B
Lead, ICP	15.3	mg/kg dw	<6.5		04/21/2003	12:27	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.0227	mg/kg dw	<0.010		04/23/2003	08:44	1037	1465	jlr	DT	SW 7471A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07993
 Report Date: 04/28/2003
 Page: 4 of 9

SAMPLE NO. 838060 **SAMPLE DESCRIPTION** HEM078:SB36:S040050 **DATE/TIME TAKEN** 04/15/2003 18:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Nickel, ICP	29	mg/kg dw	<0.81		04/21/2003	12:27	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.1	mg/kg dw	<8.1		04/21/2003	12:27	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.3	mg/kg dw	<3.3		04/21/2003	12:27	1388	3872	emd	DT	SW 6010B
Zinc, ICP	49.8	mg/kg dw	<4.0		04/21/2003	12:27	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/19/2003		1236		jgs	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

SAMPLE NO. 838061 **SAMPLE DESCRIPTION** HEM078:SB37:S040050 **DATE/TIME TAKEN** 04/15/2003 18:55

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/23/2003		2079		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.152	mg/kg dw	<0.152		04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	82.1	%	0.1		04/21/2003	16:15		2299	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/21/2003	12:30		1924	emd	DT	SW 6010B
Arsenic, GFAA	9.71	mg/kg dw	<0.981		04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	74.2	mg/kg dw	<1.6		04/21/2003	12:30	1388	3871	emd	DT	SW 6010B
Cadmium, ICP	<2.4	mg/kg dw	<2.4		04/21/2003	12:30	1388	3853	emd	DT	SW 6010B
Chromium, ICP	11	mg/kg dw	<3.2		04/21/2003	12:30	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	8.5	mg/kg dw	<1.6		04/21/2003	12:30	1388	3958	emd	DT	SW 6010B
Copper, ICP	18.6	mg/kg dw	<1.6		04/21/2003	12:30	1388	3889	emd	DT	SW 6010B
Lead, ICP	12.3	mg/kg dw	<6.5		04/21/2003	12:30	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.0230	mg/kg dw	<0.0097		04/23/2003	08:46	1037	1465	jlr	DT	SW 7471A
Nickel, ICP	23.4	mg/kg dw	<0.80		04/21/2003	12:30	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.0	mg/kg dw	<8.0		04/21/2003	12:30	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.2	mg/kg dw	<3.2		04/21/2003	12:30	1388	3872	emd	DT	SW 6010B
Zinc, ICP	44.0	mg/kg dw	<4.0		04/21/2003	12:30	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/19/2003		1236		jgs	DT	SW 3050B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07993
 Report Date: 04/28/2003
 Page: 5 of 9

SAMPLE NO. **SAMPLE DESCRIPTION** **DATE/TIME TAKEN**
 838061 HEM078:SB37:S040050 04/15/2003 18:55

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Mercury Digestion, Non-Aq	Complete	Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

SAMPLE NO. **SAMPLE DESCRIPTION** **DATE/TIME TAKEN**
 838062 HEM078:SB38:S040050 04/15/2003 19:20

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/23/2003		2079		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.157	mg/kg dw	<0.157	04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	79.6	%	0.1	04/21/2003	16:15		2299	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/21/2003	12:39		1924	emd	DT	SW 6010B
Arsenic, GFAA	2.69	mg/kg dw	<1.03	04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	71.1	mg/kg dw	<1.6	04/21/2003	12:39	1388	3871	emd	DT	SW 6010B
Cadmium, ICP	<2.4	mg/kg dw	<2.4	04/21/2003	12:39	1388	3853	emd	DT	SW 6010B
Chromium, ICP	16.5	mg/kg dw	<3.3	04/21/2003	12:39	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	6.0	mg/kg dw	<1.6	04/21/2003	12:39	1388	3958	emd	DT	SW 6010B
Copper, ICP	28.0	mg/kg dw	<1.6	04/21/2003	12:39	1388	3889	emd	DT	SW 6010B
Lead, ICP	20.9	mg/kg dw	<6.4	04/21/2003	12:39	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.0335	mg/kg dw	<0.010	04/23/2003	08:48	1037	1465	jlr	DT	SW 7471A
Nickel, ICP	18.2	mg/kg dw	<0.80	04/21/2003	12:39	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.0	mg/kg dw	<8.0	04/21/2003	12:39	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.3	mg/kg dw	<3.3	04/21/2003	12:39	1388	3872	emd	DT	SW 6010B
Zinc, ICP	78	mg/kg dw	<4.0	04/21/2003	12:39	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/19/2003		1236		jgs	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07993
Report Date: 04/28/2003
Page: 6 of 9

SAMPLE NO. 838063 **SAMPLE DESCRIPTION** HEM078:SB39:S020030 **DATE/TIME TAKEN** 04/15/2003 19:45

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/23/2003		2079		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.159	mg/kg dw	<0.159		04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	78.6	%	0.1		04/21/2003	16:15		2299	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/21/2003	12:42		1924	emd	DT	SW 6010B
Arsenic, GFAA	4.10	mg/kg dw	<1.02		04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	124	mg/kg dw	<1.7		04/21/2003	12:42	1388	3871	emd	DT	SW 6010B
Cadmium, ICP	<2.4	mg/kg dw	<2.4		04/21/2003	12:42	1388	3853	emd	DT	SW 6010B
Chromium, ICP	20.6	mg/kg dw	<3.3		04/21/2003	12:42	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	12	mg/kg dw	<1.7		04/21/2003	12:42	1388	3958	emd	DT	SW 6010B
Copper, ICP	21.8	mg/kg dw	<1.7		04/21/2003	12:42	1388	3889	emd	DT	SW 6010B
Lead, ICP	14.4	mg/kg dw	<6.5		04/21/2003	14:03	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.0280	mg/kg dw	<0.010		04/23/2003	08:52	1037	1465	jlr	DT	SW 7471A
Nickel, ICP	30.8	mg/kg dw	<0.81		04/21/2003	12:42	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.1	mg/kg dw	<8.1		04/21/2003	12:42	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.3	mg/kg dw	<3.3		04/21/2003	12:42	1388	3872	emd	DT	SW 6010B
Zinc, ICP	56.7	mg/kg dw	<4.1		04/21/2003	12:42	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/19/2003		1236		jgs	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

SAMPLE NO. 838064 **SAMPLE DESCRIPTION** HEM078:SB40:S000020 **DATE/TIME TAKEN** 04/15/2003 19:57

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/23/2003		2079		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	7.36	mg/kg dw	<0.159		04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	78.4	%	0.1		04/21/2003	16:15		2299	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/21/2003	12:45		1924	emd	DT	SW 6010B
Arsenic, GFAA	5.61	mg/kg dw	<1.06		04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	103	mg/kg dw	<1.7		04/21/2003	12:45	1388	3871	emd	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07993
 Report Date: 04/28/2003
 Page: 7 of 9

SAMPLE NO. 838064 **SAMPLE DESCRIPTION** HEM078:SB40:S000020 **DATE/TIME TAKEN** 04/15/2003 19:57

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cadmium, ICP	9.2	mg/kg dw	<2.6		04/22/2003	13:53	1388	3855	emd	DT	SW 6010B
Chromium, ICP	43.5	mg/kg dw	<3.3		04/21/2003	12:45	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	5.5	mg/kg dw	<1.7		04/21/2003	12:45	1388	3958	emd	DT	SW 6010B
Copper, ICP	353	mg/kg dw	<1.7		04/21/2003	12:45	1388	3889	emd	DT	SW 6010B
Lead, ICP	333	mg/kg dw	<6.8		04/21/2003	12:45	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.117	mg/kg dw	<0.1		04/23/2003	09:36	1037	1465	jlr	DT	SW 7471A
Nickel, ICP	94.0	mg/kg dw	<0.84		04/21/2003	12:45	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.4	mg/kg dw	<8.4		04/21/2003	12:45	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.3	mg/kg dw	<3.3		04/21/2003	12:45	1388	3872	emd	DT	SW 6010B
Zinc, ICP	1,110	mg/kg dw	<4.2		04/21/2003	12:45	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/19/2003		1236		jgs	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

SAMPLE NO. 838065 **SAMPLE DESCRIPTION** HEM078:SB41:S000020 **DATE/TIME TAKEN** 04/15/2003 19:59

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/23/2003		2079		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	1.74	mg/kg dw	<0.156		04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	80.1	%	0.1		04/21/2003	16:15		2299	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/21/2003	12:47		1924	emd	DT	SW 6010B
Arsenic, GFAA	6.05	mg/kg dw	<1.03		04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	37.7	mg/kg dw	<1.6		04/21/2003	12:47	1388	3871	emd	DT	SW 6010B
Cadmium, ICP	<2.4	mg/kg dw	<2.4		04/21/2003	12:47	1388	3853	emd	DT	SW 6010B
Chromium, ICP	14.1	mg/kg dw	<3.2		04/21/2003	12:47	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	6.1	mg/kg dw	<1.6		04/21/2003	12:47	1388	3958	emd	DT	SW 6010B
Copper, ICP	60.3	mg/kg dw	<1.6		04/21/2003	12:47	1388	3889	emd	DT	SW 6010B
Lead, ICP	12	mg/kg dw	<6.5		04/21/2003	12:47	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.0275	mg/kg dw	<0.010		04/23/2003	09:37	1037	1465	jlr	DT	SW 7471A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07993
 Report Date: 04/28/2003
 Page: 8 of 9

SAMPLE NO. **SAMPLE DESCRIPTION** **DATE/TIME TAKEN**
 838065 HEM078:SB41:S000020 04/15/2003 19:59

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Nickel, ICP	19.9	mg/kg dw	<0.81		04/21/2003	12:47	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.1	mg/kg dw	<8.1		04/21/2003	12:47	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.2	mg/kg dw	<3.2		04/21/2003	12:47	1388	3872	emd	DT	SW 6010B
Zinc, ICP	87.5	mg/kg dw	<4.0		04/21/2003	12:47	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/19/2003		1236		jgs	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

SAMPLE NO. **SAMPLE DESCRIPTION** **DATE/TIME TAKEN**
 838066 HEM078:SB42:S000020 04/15/2003 20:01

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/23/2003		2079		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	9.46	mg/kg dw	<0.158		04/23/2003		2079	602	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	79.1	%	0.1		04/21/2003	16:15		2299	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/21/2003	12:50		1924	emd	DT	SW 6010B
Arsenic, GFAA	5.01	mg/kg dw	<1.05		04/24/2003		1236	852	lnh	DT	SW 7060A
Barium, ICP	55.6	mg/kg dw	<1.6		04/21/2003	12:50	1388	3871	emd	DT	SW 6010B
Cadmium, ICP	9.4	mg/kg dw	<2.5		04/21/2003	12:50	1388	3853	emd	DT	SW 6010B
Chromium, ICP	291	mg/kg dw	<3.3		04/21/2003	12:50	1388	3841	emd	DT	SW 6010B
Cobalt, ICP	4.2	mg/kg dw	<1.6		04/21/2003	12:50	1388	3958	emd	DT	SW 6010B
Copper, ICP	120	mg/kg dw	<1.6		04/21/2003	12:50	1388	3889	emd	DT	SW 6010B
Lead, ICP	94.9	mg/kg dw	<6.6		04/21/2003	12:50	1388	3844	emd	DT	SW 6010B
Mercury, CVAA	0.0986	mg/kg dw	<0.010		04/23/2003	09:39	1037	1465	jlr	DT	SW 7471A
Nickel, ICP	89.1	mg/kg dw	<0.82		04/21/2003	12:50	1388	3866	emd	DT	SW 6010B
Selenium, ICP	<8.2	mg/kg dw	<8.2		04/21/2003	12:50	1388	3920	emd	DT	SW 6010B
Silver, ICP	<3.3	mg/kg dw	<3.3		04/21/2003	12:50	1388	3872	emd	DT	SW 6010B
Zinc, ICP	492	mg/kg dw	<4.2		04/21/2003	12:50	1388	3861	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/19/2003	10:10	1388		jgs	DT	SW 3050B
3FAA Digestion, Nonaqueous	Complete		Complete		04/19/2003		1236		jgs	DT	SW 3050B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07993
 Report Date: 04/28/2003
 Page: 9 of 9

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
838066	HEM078:SB42:S000020	04/15/2003 20:01

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Mercury Digestion, Non-Aq	Complete		Complete		04/22/2003	11:25	1037		jlr	DT	SW 7471A

0119

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

NO. 06998



Dublin Toledo

6130 Wilcox Road
Dublin, Ohio 43016
Phone: (614) 385-8777
Fax: (614) 385-9070

Mason Solon

4700 Duke Drive
Suite 172
Mason, Ohio 45040
Phone: (513) 459-9677
Fax: (513) 459-9889

Solon

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

REPORT TO: ADAM ALMAN

Client: HEMISPHERE

Site: STANDUSKY

Project#: HEM ONE Phase: _____

Samplers: 1/1 (check)

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 - H₂SO₄, pH<2
D - NaOH, pH>12
E - Zinc acetate + NaOH, pH>9
F - Na₂S₂O₃ (0.008%)
G - HCl, pH <2

METALS

A - NOT TESTED
B - NOT FILTERED
C - BOTH

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE	SAMPLER ID	NO. OF METALS CONT.	SAMPLING DATE/TIME	COMMENTS
HEM078	SB 34	SO40050		1 X	4/15/03 17:30	
HEM078	SB 35	SO40050		1 X	4/15/03 18:00	
HEM078	SB 36	SO40050		1 X	4/15/03 18:30	
HEM078	SB 37	SO40050		1 X	4/15/03 18:55	
HEM078	SB 38	SO40050		1 X	4/15/03 19:20	
HEM078	SB 39	SO40030		1 X	4/15/03 19:45	
HEM078	SB 40	SO00020		1 X	4/15/03 19:57	
HEM078	SB 41	SO00020		1 X	4/15/03 19:57	
HEM078	SB 42	SO00020		1 X	4/15/03 20:01	
:	:	:	:	:	:	
:	:	:	:	:	:	
:	:	:	:	:	:	

RELINQUISHED BY: J. Miller DATE: 4-17-03 TIME: 10:00 RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: RECEIVED FOR LAB BY: [Signature] DATE: 4-18-03 TIME: 8:45

COOLER TEMPERATURE AS RECEIVED °C: 4.5

Deliver To: TEST AMERICA

Method of Delivery: FOU-EX

Airbill Number: 836446142460

NOTES: VAP RECEIVED

TURN AROUND TIME: STANDARD DAYS

1000_300_0168_0M 07/26/99 KMAC

6020

AFFIDAVIT

TestAmerica, Inc. (VAP Laboratory No. CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY

SS:

I, **B. Chris Weathington**, being first duly sworn according to law deposes and states that, to the best of my knowledge, information and belief:

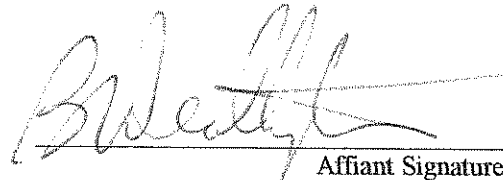
- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by **TestAmerica, Inc.** as **Laboratory Director** and was authorized to submit this affidavit on behalf of **TestAmerica, Inc.** for the attached report.
- 3) TestAmerica performed analysis for **Hull & Associates** concerning a voluntary action for the property located at **HEM078**.
- 4) TestAmerica was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by **TestAmerica**, for the purposes of conducting or completing the voluntary action at the referenced property, complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **03.07993**.
- 7) All information, data, documents and reports submitted by **TestAmerica**, identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) **TestAmerica** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3), in performing the analysis for **Hull & Associates** for the referenced property.


B. Chris Weathington

Further affiant sayeth naught

Sworn to before me this 28th day of April, 2003

Notary


Affiant Signature



DENISE MOHLER
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES
JUNE 7, 2005

TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 1 of 44

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

Project: HEM078

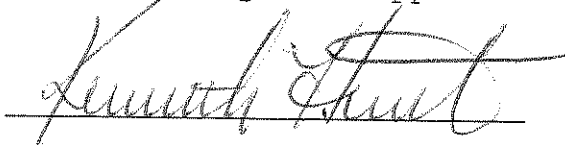
<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
836311	HEM078:SB1:S000020:572	04/08/2003	04/11/2003
836312	HEM078:SB2:S000020:572	04/08/2003	04/11/2003
836313	HEM078:SB3:S020035:572	04/08/2003	04/11/2003
836314	HEM078:SB4:S000020:572	04/08/2003	04/11/2003
836315	HEM078:SB5:S000020:572	04/08/2003	04/11/2003
836316	HEM078:SB6:S020035:572	04/08/2003	04/11/2003
836317	HEM078:SB7:S000020:572	04/08/2003	04/11/2003
836318	HEM078:SB8:S000020:572	04/08/2003	04/11/2003
836319	HEM078:SB9:S000020:572	04/08/2003	04/11/2003
836320	HEM078:SB10:S040075:572	04/08/2003	04/11/2003
836321	HEM078:SB11:S020035:572	04/08/2003	04/11/2003
836322	HEM078:SB12:S000020:572	04/08/2003	04/11/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval



TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 2 of 44

SAMPLE NO. 836311 **SAMPLE DESCRIPTION** HEM078:SB1:S000020:572 **DATE/TIME TAKEN** 04/08/2003 11:25

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.166	mg/kg dw	<0.140		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	89.0	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003			1915	emd	DT	SW 6010B
Arsenic, GFAA	6.83	mg/kg dw	<0.888		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	29.1	mg/kg dw	<1.5		04/16/2003		1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<2.2	mg/kg dw	<2.1		04/16/2003		1382	3846	emd	DT	SW 6010B
Chromium, ICP	9.0	mg/kg dw	<2.9		04/16/2003		1382	3834	emd	DT	SW 6010B
Cobalt, ICP	5.3	mg/kg dw	<1.5		04/16/2003		1382	3951	emd	DT	SW 6010B
Copper, ICP	11.6	mg/kg dw	<1.5		04/16/2003		1382	3882	emd	DT	SW 6010B
Lead, ICP	8.3	mg/kg dw	<5.7		04/16/2003		1382	3837	emd	DT	SW 6010B
Mercury, CVAA	0.030	mg/kg dw	<0.0090		04/18/2003	16:14	1035	1463	epk	DT	SW 7471A
Nickel, ICP	13	mg/kg dw	<0.72		04/16/2003		1382	3859	emd	DT	SW 6010B
Selenium, ICP	<7.5	mg/kg dw	<7.2		04/16/2003		1382	3913	emd	DT	SW 6010B
Silver, ICP	<3.0	mg/kg dw	<2.9		04/16/2003		1382	3865	emd	DT	SW 6010B
Zinc, ICP	30.7	mg/kg dw	<3.6		04/16/2003		1382	3848	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											DT
8260 - SW846 (Non-aq)	Complete		Complete		04/11/2003			2841	jxc	DT	
Acetone	<112	ug/kg dw	<112		04/11/2003			2841	jxc	DT	SW 8260A
Benzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
tert-Butylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
sec-Butylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
n-Butylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromochloromethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromodichloromethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromoform	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromobenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
2-Butanone (MEK)	<56	ug/kg dw	<56		04/11/2003			2841	jxc	DT	SW 8260A
Carbon disulfide	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 3 of 44

SAMPLE NO. 836311 **SAMPLE DESCRIPTION** HEM078:SB1:S000020:572 **DATE/TIME TAKEN** 04/08/2003 11:25

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Chlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Chloroethane	<11.2	ug/kg dw	<11.2		04/11/2003		2841	jxc	DT	SW 8260A	
2-Chlorotoluene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
4-Chlorotoluene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Chloroform	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Chloromethane	<11.2	ug/kg dw	<11.2		04/11/2003		2841	jxc	DT	SW 8260A	
Dibromochloromethane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Dibromomethane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Ethylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
n-Hexane	<22.5	ug/kg dw	<22.5		04/11/2003		2841	jxc	DT	SW 8260A	
2-Hexanone	<56.2	ug/kg dw	<56.2		04/11/2003		2841	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	
Bromomethane	<11.2	ug/kg dw	<11.2		04/11/2003		2841	jxc	DT	SW 8260A	
Methylene Chloride	<11.2	ug/kg dw	<11.2		04/11/2003		2841	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.6	ug/kg dw	<5.6		04/11/2003		2841	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 4 of 44

SAMPLE NO. 836311 **SAMPLE DESCRIPTION** HEM078:SB1:S000020:572 **DATE/TIME TAKEN** 04/08/2003 11:25

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
4-Methyl-2-pentanone (MIBK)	<56.2	ug/kg dw	<56.2		04/11/2003			2841	jxc	DT	SW 8260A
n-Propylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Styrene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Naphthalene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Tetrachloroethene	7.4	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Toluene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Trichloroethene	35.1	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Vinyl Acetate	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/11/2003			2841	jxc	DT	SW 8260A
Xylenes, Total	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
d4-1,2-Dichloroethane (surr)	105	%	80-120		04/11/2003			2841	jxc	DT	SW 8260A
Dibromofluoromethane (surr)	102	%	80-120		04/11/2003			2841	jxc	DT	SW 8260A
d8-Toluene (surr)	97	%	81-117		04/11/2003			2841	jxc	DT	SW 8260A
Bromofluorobenzene (surr)	97	%	74-121		04/11/2003			2841	jxc	DT	SW 8260A
PNA Non-Aq - 8270										DT	
Acenaphthene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Acenaphthylene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Anthracene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Benzo(a)anthracene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Benzo(a)pyrene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Benzo(b)fluoranthene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Benzo(ghi)perylene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Benzo(k)fluoranthene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Chrysene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Dibenz(ah)anthracene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 5 of 44

SAMPLE NO. 836311 **SAMPLE DESCRIPTION** HEM078:SB1:S000020:572 **DATE/TIME TAKEN** 04/08/2003 11:25

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Fluorene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Naphthalene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Phenanthrene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Pyrene	<169	ug/kg dw	<169		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: d5-Nitrobenzene	69	%	28-120		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	81	%	20-115		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: d14-Terphenyl	81	%	18-137		04/24/2003		1322	2207	jrw	DT	SW 8270C

SAMPLE NO. 836312 **SAMPLE DESCRIPTION** HEM078:SB2:S000020:572 **DATE/TIME TAKEN** 04/08/2003 11:45

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.139	mg/kg dw	<0.139		04/18/2003		2070	596	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	90.2	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	14:30		1915	emd	DT	SW 6010B
Arsenic, GFAA	6.70	mg/kg dw	<0.922		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	18.4	mg/kg dw	<1.4		04/16/2003	12:46	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<2.1	mg/kg dw	<2.1		04/16/2003	12:46	1382	3846	emd	DT	SW 6010B
Chromium, ICP	8.1	mg/kg dw	<2.9		04/16/2003	12:46	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	4.7	mg/kg dw	<1.4		04/16/2003	12:46	1382	3951	emd	DT	SW 6010B
Copper, ICP	11	mg/kg dw	<1.4		04/16/2003	14:30	1382	3882	emd	DT	SW 6010B
Lead, ICP	7.6	mg/kg dw	<5.7		04/16/2003	12:46	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	0.022	mg/kg dw	<0.0089		04/18/2003	16:23	1035	1463	epk	DT	SW 7471A
Nickel, ICP	13.2	mg/kg dw	<0.71		04/16/2003	12:46	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<7.1	mg/kg dw	<7.1		04/16/2003	12:46	1382	3913	emd	DT	SW 6010B
Silver, ICP	<2.9	mg/kg dw	<2.9		04/16/2003	12:46	1382	3865	emd	DT	SW 6010B
Zinc, ICP	31.2	mg/kg dw	<3.5		04/16/2003	12:46	1382	3848	emd	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 6 of 44

SAMPLE NO. 836312 **SAMPLE DESCRIPTION** HEM078:SB2:S000020:572 **DATE/TIME TAKEN** 04/08/2003 11:45

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/11/2003					DT	
Acetone	<111	ug/kg dw	<111		04/11/2003			2841	jxc	DT	SW 8260A
Benzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
tert-Butylbenzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
sec-Butylbenzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
n-Butylbenzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Bromochloromethane	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Bromodichloromethane	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Bromoform	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Bromobenzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
2-Butanone (MEK)	<55	ug/kg dw	<55		04/11/2003			2841	jxc	DT	SW 8260A
Carbon disulfide	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Carbon tetrachloride	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Chlorobenzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Chloroethane	<11.1	ug/kg dw	<11.1		04/11/2003			2841	jxc	DT	SW 8260A
2-Chlorotoluene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
4-Chlorotoluene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Chloroform	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Chloromethane	<11.1	ug/kg dw	<11.1		04/11/2003			2841	jxc	DT	SW 8260A
Dibromochloromethane	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Dibromomethane	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.5	ug/kg dw	<5.5		04/11/2003			2841	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 7 of 44

SAMPLE NO. 836312 **SAMPLE DESCRIPTION** HEM078:SB2:S000020:572 **DATE/TIME TAKEN** 04/08/2003 11:45

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
1,1-Dichloroethene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Ethylbenzene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
n-Hexane	<22.2	ug/kg dw	<22.2		04/11/2003		2841	jxc	DT	SW 8260A	
2-Hexanone	<55.4	ug/kg dw	<55.4		04/11/2003		2841	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Bromomethane	<11.1	ug/kg dw	<11.1		04/11/2003		2841	jxc	DT	SW 8260A	
Methylene Chloride	<11.1	ug/kg dw	<11.1		04/11/2003		2841	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<55.4	ug/kg dw	<55.4		04/11/2003		2841	jxc	DT	SW 8260A	
n-Propylbenzene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Styrene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Naphthalene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Tetrachloroethene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Toluene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Trichloroethene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 8 of 44

SAMPLE NO. 836312 **SAMPLE DESCRIPTION** HEM078:SB2:S000020:572 **DATE/TIME TAKEN** 04/08/2003 11:45

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Vinyl Acetate	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/11/2003		2841	jxc	DT	SW 8260A	
Xylenes, Total	<5.5	ug/kg dw	<5.5		04/11/2003		2841	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	111	%	80-120		04/11/2003		2841	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	105	%	80-120		04/11/2003		2841	jxc	DT	SW 8260A	
d8-Toluene (surr)	98	%	81-117		04/11/2003		2841	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	98	%	74-121		04/11/2003		2841	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Acenaphthylene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Anthracene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(a)anthracene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(a)pyrene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(b)fluoranthene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(ghi)perylene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(k)fluoranthene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Chrysene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Dibenz(ah)anthracene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Fluoranthene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Fluorene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Naphthalene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Phenanthrene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Pyrene	<166	ug/kg dw	<166		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Surrogate: d5-Nitrobenzene	65	%	28-120		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	79	%	20-115		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Surrogate: d14-Terphenyl	73	%	18-137		04/24/2003		1322	2207	jrjw	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 9 of 44

SAMPLE NO. 836313 **SAMPLE DESCRIPTION** HEM078:SB3:S020035:572 **DATE/TIME TAKEN** 04/08/2003 12:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/18/2003		2071		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	44.2	mg/kg dw	<3.31		04/18/2003		2071	597	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	75.5	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	14:33		1915	emd	DT	SW 6010B
Arsenic, GFAA	5.26	mg/kg dw	<1.05		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	111	mg/kg dw	<1.7		04/16/2003	12:48	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	19.1	mg/kg dw	<2.6		04/16/2003	12:48	1382	3846	emd	DT	SW 6010B
Chromium, ICP	575	mg/kg dw	<3.4		04/16/2003	12:48	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	9.5	mg/kg dw	<1.7		04/16/2003	12:48	1382	3951	emd	DT	SW 6010B
Copper, ICP	2,120	mg/kg dw	<1.7		04/16/2003	14:33	1382	3882	emd	DT	SW 6010B
Lead, ICP	41.5	mg/kg dw	<7.0		04/16/2003	12:48	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	0.090	mg/kg dw	<0.0093		04/18/2003	16:25	1035	1463	epk	DT	SW 7471A
Nickel, ICP	3,320	mg/kg dw	<0.87		04/16/2003	12:48	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<8.7	mg/kg dw	<8.7		04/16/2003	12:48	1382	3913	emd	DT	SW 6010B
Silver, ICP	<3.4	mg/kg dw	<3.4		04/16/2003	12:48	1382	3865	emd	DT	SW 6010B
Zinc, ICP	494	mg/kg dw	<4.4		04/16/2003	12:48	1382	3848	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										DT	
8260 - SW846 (Non-aq)	Complete		Complete		04/11/2003			2841	jxc	DT	
Acetone	<132	ug/kg dw	<132		04/11/2003			2841	jxc	DT	SW 8260A
Benzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
tert-Butylbenzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
sec-Butylbenzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
n-Butylbenzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromochloromethane	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromodichloromethane	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromoform	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromobenzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
2-Butanone (MEK)	<66	ug/kg dw	<66		04/11/2003			2841	jxc	DT	SW 8260A
Carbon disulfide	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 10 of 44

SAMPLE NO. 836313 **SAMPLE DESCRIPTION** HEM078:SB3:S020035:572 **DATE/TIME TAKEN** 04/08/2003 12:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Carbon tetrachloride	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Chlorobenzene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Chloroethane	<13.2	ug/kg dw	<13.2		04/11/2003		2841	jxc	DT	SW 8260A	
2-Chlorotoluene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
4-Chlorotoluene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Chloroform	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Chloromethane	<13.2	ug/kg dw	<13.2		04/11/2003		2841	jxc	DT	SW 8260A	
Dibromochloromethane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Dibromomethane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,1-Dichloroethane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dichloroethane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,1-Dichloroethene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,2-Dichloropropane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,3-Dichloropropane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
2,2-Dichloropropane	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
1,1-Dichloropropene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Ethylbenzene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Hexachlorobutadiene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
n-Hexane	<26.5	ug/kg dw	<26.5		04/11/2003		2841	jxc	DT	SW 8260A	
2-Hexanone	<66.2	ug/kg dw	<66.2		04/11/2003		2841	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
p-Isopropyltoluene	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	
Bromomethane	<13.2	ug/kg dw	<13.2		04/11/2003		2841	jxc	DT	SW 8260A	
Methylene Chloride	<13.2	ug/kg dw	<13.2		04/11/2003		2841	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<6.6	ug/kg dw	<6.6		04/11/2003		2841	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 11 of 44

SAMPLE NO. 836313 **SAMPLE DESCRIPTION** HEM078:SB3:S020035:572 **DATE/TIME TAKEN** 04/08/2003 12:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
4-Methyl-2-pentanone (MIBK)	<66.2	ug/kg dw	<66.2		04/11/2003			2841	jxc	DT	SW 8260A
n-Propylbenzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Styrene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Naphthalene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Tetrachloroethene	942	ug/kg dw	<331		04/15/2003			2852	mrh	DT	SW 8260A
Toluene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Trichloroethene	11	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Trichlorofluoromethane	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Vinyl Acetate	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
Vinyl Chloride	<2.6	ug/kg dw	<2.6		04/11/2003			2841	jxc	DT	SW 8260A
Xylenes, Total	<6.6	ug/kg dw	<6.6		04/11/2003			2841	jxc	DT	SW 8260A
d4-1,2-Dichloroethane (surr)	105	%	80-120		04/11/2003			2841	jxc	DT	SW 8260A
Dibromofluoromethane (surr)	104	%	80-120		04/11/2003			2841	jxc	DT	SW 8260A
d8-Toluene (surr)	108	%	81-117		04/11/2003			2841	jxc	DT	SW 8260A
Bromofluorobenzene (surr)	114	%	74-121		04/11/2003			2841	jxc	DT	SW 8260A
PNA Non-Aq - 8270										DT	
Acenaphthene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Acenaphthylene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Anthracene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Benzo(a)anthracene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Benzo(a)pyrene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Benzo(b)fluoranthene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Benzo(ghi)perylene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Benzo(k)fluoranthene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Chrysene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C
Dibenz(ah)anthracene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrj	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 12 of 44

SAMPLE NO. 836313 **SAMPLE DESCRIPTION** HEM078:SB3:S020035:572 **DATE/TIME TAKEN** 04/08/2003 12:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrw	DT	SW 8270C
Fluorene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrw	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrw	DT	SW 8270C
Naphthalene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrw	DT	SW 8270C
Phenanthrene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrw	DT	SW 8270C
Pyrene	<199	ug/kg dw	<199		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: d5-Nitrobenzene	56	%	28-120		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	50	%	20-115		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: d14-Terphenyl	62	%	18-137		04/24/2003		1322	2207	jrw	DT	SW 8270C

SAMPLE NO. 836314 **SAMPLE DESCRIPTION** HEM078:SB4:S000020:572 **DATE/TIME TAKEN** 04/08/2003 12:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	2.20	mg/kg dw	<0.150		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	83.6	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	14:36		1915	emd	DT	SW 6010B
Arsenic, GFAA	5.10	mg/kg dw	<0.959		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	84.7	mg/kg dw	<3.1		04/16/2003	14:36	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<4.8	mg/kg dw	<4.8		04/16/2003	14:36	1382	3846	emd	DT	SW 6010B
Chromium, ICP	26.3	mg/kg dw	<6.3		04/16/2003	14:36	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	4.4	mg/kg dw	<3.1		04/16/2003	14:36	1382	3951	emd	DT	SW 6010B
Copper, ICP	43.4	mg/kg dw	<3.1		04/16/2003	14:36	1382	3882	emd	DT	SW 6010B
Lead, ICP	30	mg/kg dw	<13		04/16/2003	14:36	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	0.092	mg/kg dw	<0.0096		04/18/2003	16:27	1035	1463	epk	DT	SW 7471A
Nickel, ICP	75.0	mg/kg dw	<1.6		04/16/2003	14:36	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<16	mg/kg dw	<16		04/16/2003	14:36	1382	3913	emd	DT	SW 6010B
Silver, ICP	<6.3	mg/kg dw	<6.3		04/16/2003	14:36	1382	3865	emd	DT	SW 6010B
Zinc, ICP	468	mg/kg dw	<7.9		04/16/2003	14:36	1382	3848	emd	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 13 of 44

SAMPLE NO. 836314 **SAMPLE DESCRIPTION** HEM078:SB4:S000020:572 **DATE/TIME TAKEN** 04/08/2003 12:10

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										DT
8260 - SW846 (Non-aq)	Complete	Complete		04/14/2003			2846	jxc	DT	
Acetone	<120	ug/kg dw <120		04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
tert-Butylbenzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
sec-Butylbenzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
n-Butylbenzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromochloromethane	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromodichloromethane	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromoform	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromobenzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
2-Butanone (MEK)	<60	ug/kg dw <60		04/14/2003			2846	jxc	DT	SW 8260A
Carbon disulfide	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Carbon tetrachloride	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Chlorobenzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Chloroethane	<12.0	ug/kg dw <12.0		04/14/2003			2846	jxc	DT	SW 8260A
2-Chlorotoluene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
4-Chlorotoluene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Chloroform	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Chloromethane	<12.0	ug/kg dw <12.0		04/14/2003			2846	jxc	DT	SW 8260A
Dibromochloromethane	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Dibromomethane	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
Dichlorodifluoromethane	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
1,1-Dichloroethane	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichloroethane	<6.0	ug/kg dw <6.0		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 14 of 44

SAMPLE NO. 836314 **SAMPLE DESCRIPTION** HEM078:SB4:S000020:572 **DATE/TIME TAKEN** 04/08/2003 12:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
1,1-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,3-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
2,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Ethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Hexachlorobutadiene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
n-Hexane	<23.9	ug/kg dw	<23.9		04/14/2003		2846	jxc	DT	SW 8260A	
2-Hexanone	<59.8	ug/kg dw	<59.8		04/14/2003		2846	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
p-Isopropyltoluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Bromomethane	<12.0	ug/kg dw	<12.0		04/14/2003		2846	jxc	DT	SW 8260A	
Methylene Chloride	<12.0	ug/kg dw	<12.0		04/14/2003		2846	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<59.8	ug/kg dw	<59.8		04/14/2003		2846	jxc	DT	SW 8260A	
n-Propylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Styrene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Naphthalene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Tetrachloroethene	6.1	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Toluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Trichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Trichlorofluoromethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 15 of 44

SAMPLE NO. 836314 **SAMPLE DESCRIPTION** HEM078:SB4:S000020:572 **DATE/TIME TAKEN** 04/08/2003 12:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Vinyl Acetate	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/14/2003		2846	jxc	DT	SW 8260A	
Xylenes, Total	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane(surr)	101	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromofluoromethane(surr)	96	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
d8-Toluene(surr)	99	%	81-117		04/14/2003		2846	jxc	DT	SW 8260A	
Bromofluorobenzene(surr)	93	%	74-121		04/14/2003		2846	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Acenaphthylene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Anthracene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(a)anthracene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(a)pyrene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(b)fluoranthene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(ghi)perylene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(k)fluoranthene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Chrysene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Dibenz(ah)anthracene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Fluoranthene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Fluorene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Naphthalene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Phenanthrene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Pyrene	<179	ug/kg dw	<179		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Surrogate: d5-Nitrobenzene	71	%	28-120		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	81	%	20-115		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Surrogate: d14-Terphenyl	71	%	18-137		04/24/2003		1322	2207	jrjw	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 16 of 44

SAMPLE NO. 836315 **SAMPLE DESCRIPTION** HEM078:SB5:S000020:572 **DATE/TIME TAKEN** 04/08/2003 12:20

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.140	mg/kg dw	<0.140		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	89.2	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	14:40		1915	emd	DT	SW 6010B
Arsenic, GFAA	3.21	mg/kg dw	<0.933		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	31.7	mg/kg dw	<0.74		04/16/2003	13:04	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<1.1	mg/kg dw	<1.1		04/16/2003	13:04	1382	3846	emd	DT	SW 6010B
Chromium, ICP	6.8	mg/kg dw	<1.5		04/16/2003	13:04	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	3.3	mg/kg dw	<0.74		04/16/2003	13:04	1382	3951	emd	DT	SW 6010B
Copper, ICP	10.8	mg/kg dw	<0.74		04/16/2003	14:40	1382	3882	emd	DT	SW 6010B
Lead, ICP	10	mg/kg dw	<2.9		04/16/2003	13:04	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	0.024	mg/kg dw	<0.0090		04/18/2003	16:29	1035	1463	epk	DT	SW 7471A
Nickel, ICP	8.96	mg/kg dw	<0.37		04/16/2003	13:04	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<3.7	mg/kg dw	<3.7		04/16/2003	13:04	1382	3913	emd	DT	SW 6010B
Silver, ICP	<1.5	mg/kg dw	<1.5		04/16/2003	13:04	1382	3865	emd	DT	SW 6010B
Zinc, ICP	59.4	mg/kg dw	<1.8		04/16/2003	13:04	1382	3848	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/11/2003			2841	jxc	DT	
Acetone	<112	ug/kg dw	<112		04/11/2003			2841	jxc	DT	SW 8260A
Benzene	7.5	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
tert-Butylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
sec-Butylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
n-Butylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromochloromethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromodichloromethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromoform	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromobenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
2-Butanone (MEK)	<56	ug/kg dw	<56		04/11/2003			2841	jxc	DT	SW 8260A
Carbon disulfide	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 17 of 44

SAMPLE NO. 836315 **SAMPLE DESCRIPTION** HEM078:SB5:S000020:572 **DATE/TIME TAKEN** 04/08/2003 12:20

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Carbon tetrachloride	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Chlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Chloroethane	<11.2	ug/kg dw	<11.2		04/11/2003			2841	jxc	DT	SW 8260A
2-Chlorotoluene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
4-Chlorotoluene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Chloroform	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Chloromethane	<11.2	ug/kg dw	<11.2		04/11/2003			2841	jxc	DT	SW 8260A
Dibromochloromethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Dibromomethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1-Dichloroethene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Ethylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
n-Hexane	<22.4	ug/kg dw	<22.4		04/11/2003			2841	jxc	DT	SW 8260A
2-Hexanone	<56.1	ug/kg dw	<56.1		04/11/2003			2841	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Bromomethane	<11.2	ug/kg dw	<11.2		04/11/2003			2841	jxc	DT	SW 8260A
Methylene Chloride	<11.2	ug/kg dw	<11.2		04/11/2003			2841	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 18 of 44

SAMPLE NO. 836315 **SAMPLE DESCRIPTION** HEM078:SB5:S000020:572 **DATE/TIME TAKEN** 04/08/2003 12:20

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
4-Methyl-2-pentanone (MIBK)	<56.1	ug/kg dw	<56.1		04/11/2003			2841	jxc	DT	SW 8260A
n-Propylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Styrene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Naphthalene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Tetrachloroethene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Toluene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Trichloroethene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Vinyl Acetate	<5.6	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/11/2003			2841	jxc	DT	SW 8260A
Xylenes, Total	8.3	ug/kg dw	<5.6		04/11/2003			2841	jxc	DT	SW 8260A
d4-1,2-Dichloroethane (surr)	108	%	80-120		04/11/2003			2841	jxc	DT	SW 8260A
Dibromofluoromethane (surr)	106	%	80-120		04/11/2003			2841	jxc	DT	SW 8260A
d8-Toluene (surr)	100	%	81-117		04/11/2003			2841	jxc	DT	SW 8260A
Bromofluorobenzene (surr)	104	%	74-121		04/11/2003			2841	jxc	DT	SW 8260A
PNA Non-Aq - 8270										DT	
Acenaphthene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Acenaphthylene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Anthracene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(a)anthracene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(a)pyrene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(b)fluoranthene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(ghi)perylene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Benzo(k)fluoranthene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Chrysene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C
Dibenz(ah)anthracene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrjw	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 19 of 44

SAMPLE NO. 836315 **SAMPLE DESCRIPTION** HEM078:SB5:S000020:572 **DATE/TIME TAKEN** 04/08/2003 12:20

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrw	DT	SW 8270C
Fluorene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrw	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrw	DT	SW 8270C
Naphthalene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrw	DT	SW 8270C
Phenanthrene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrw	DT	SW 8270C
Pyrene	<168	ug/kg dw	<168		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: d5-Nitrobenzene	65	%	28-120		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	74	%	20-115		04/24/2003		1322	2207	jrw	DT	SW 8270C
Surrogate: d14-Terphenyl	70	%	18-137		04/24/2003		1322	2207	jrw	DT	SW 8270C

SAMPLE NO. 836316 **SAMPLE DESCRIPTION** HEM078:SB6:S020035:572 **DATE/TIME TAKEN** 04/08/2003 12:50

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.144	mg/kg dw	<0.144		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	86.9	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	15:23		1915	emd	DT	SW 6010B
Arsenic, GFAA	5.04	mg/kg dw	<0.903		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	19.4	mg/kg dw	<1.5		04/16/2003	13:06	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<2.2	mg/kg dw	<2.2		04/16/2003	13:06	1382	3846	emd	DT	SW 6010B
Chromium, ICP	11.6	mg/kg dw	<3.0		04/16/2003	13:06	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	3.8	mg/kg dw	<1.5		04/16/2003	13:06	1382	3951	emd	DT	SW 6010B
Copper, ICP	16	mg/kg dw	<1.5		04/16/2003	15:23	1382	3882	emd	DT	SW 6010B
Lead, ICP	10	mg/kg dw	<6.0		04/16/2003	13:06	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	0.072	mg/kg dw	<0.0092		04/18/2003	16:31	1035	1463	epk	DT	SW 7471A
Nickel, ICP	13.6	mg/kg dw	<0.74		04/16/2003	13:06	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<7.4	mg/kg dw	<7.4		04/16/2003	13:06	1382	3913	emd	DT	SW 6010B
Silver, ICP	<3.0	mg/kg dw	<3.0		04/16/2003	13:06	1382	3865	emd	DT	SW 6010B
Zinc, ICP	97.1	mg/kg dw	<3.7		04/16/2003	13:06	1382	3848	emd	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 20 of 44

SAMPLE NO. 836316 **SAMPLE DESCRIPTION** HEM078:SB6:S020035:572 **DATE/TIME TAKEN** 04/08/2003 12:50

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/11/2003			2841	jxc	DT	
Acetone	<115	ug/kg dw	<115		04/11/2003			2841	jxc	DT	SW 8260A
Benzene	11	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
tert-Butylbenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
sec-Butylbenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
n-Butylbenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Bromochloromethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Bromodichloromethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Bromoform	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Bromobenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
2-Butanone (MEK)	<58	ug/kg dw	<58		04/11/2003			2841	jxc	DT	SW 8260A
Carbon disulfide	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Carbon tetrachloride	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Chlorobenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Chloroethane	<11.5	ug/kg dw	<11.5		04/11/2003			2841	jxc	DT	SW 8260A
2-Chlorotoluene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
4-Chlorotoluene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Chloroform	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Chloromethane	<11.5	ug/kg dw	<11.5		04/11/2003			2841	jxc	DT	SW 8260A
Dibromochloromethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Dibromomethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 21 of 44

SAMPLE NO. 836316 **SAMPLE DESCRIPTION** HEM078:SB6:S020035:572 **DATE/TIME TAKEN** 04/08/2003 12:50

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
1,1-Dichloroethene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Ethylbenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
n-Hexane	<23.0	ug/kg dw	<23.0		04/11/2003			2841	jxc	DT	SW 8260A
2-Hexanone	<57.5	ug/kg dw	<57.5		04/11/2003			2841	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Bromomethane	<11.5	ug/kg dw	<11.5		04/11/2003			2841	jxc	DT	SW 8260A
Methylene Chloride	<11.5	ug/kg dw	<11.5		04/11/2003			2841	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
4-Methyl-2-pentanone (MIBK)	<57.5	ug/kg dw	<57.5		04/11/2003			2841	jxc	DT	SW 8260A
n-Propylbenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Styrene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Naphthalene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Tetrachloroethene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Toluene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Trichloroethene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.8	ug/kg dw	<5.8		04/11/2003			2841	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 22 of 44

SAMPLE NO. 836316 **SAMPLE DESCRIPTION** HEM078:SB6:S020035:572 **DATE/TIME TAKEN** 04/08/2003 12:50

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Vinyl Acetate	<5.8	ug/kg dw	<5.8		04/11/2003		2841	jxc	DT	SW 8260A	
Vinyl Chloride	<2.3	ug/kg dw	<2.3		04/11/2003		2841	jxc	DT	SW 8260A	
Xylenes, Total	<5.8	ug/kg dw	<5.8		04/11/2003		2841	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	108	%	80-120		04/11/2003		2841	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	105	%	80-120		04/11/2003		2841	jxc	DT	SW 8260A	
d8-Toluene (surr)	101	%	81-117		04/11/2003		2841	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	98	%	74-121		04/11/2003		2841	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Acenaphthylene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Anthracene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(a)anthracene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(a)pyrene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(b)fluoranthene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(ghi)perylene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(k)fluoranthene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Chrysene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Dibenz(ah)anthracene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Fluoranthene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Fluorene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Naphthalene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Phenanthrene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Pyrene	<173	ug/kg dw	<173		04/25/2003		1322	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	79	%	28-120		04/25/2003		1322	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	74	%	20-115		04/25/2003		1322	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	79	%	18-137		04/25/2003		1322	2214	jdm	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 23 of 44

SAMPLE NO. 836317 **SAMPLE DESCRIPTION** HEM078:SB7:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:10

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.132	mg/kg dw	<0.132	04/18/2003		2070	596	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	95.0	%	0.1	04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/16/2003	14:54		1915	emd	DT	SW 6010B
Arsenic, GFAA	3.87	mg/kg dw	<0.872	04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	8.94	mg/kg dw	<0.69	04/16/2003	13:09	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<1.0	mg/kg dw	<1.0	04/16/2003	13:09	1382	3846	emd	DT	SW 6010B
Chromium, ICP	32	mg/kg dw	<1.4	04/16/2003	13:09	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	3.1	mg/kg dw	<0.69	04/16/2003	13:09	1382	3951	emd	DT	SW 6010B
Copper, ICP	5.99	mg/kg dw	<0.69	04/16/2003	14:54	1382	3882	emd	DT	SW 6010B
Lead, ICP	3.4	mg/kg dw	<2.7	04/16/2003	13:09	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	<0.0084	mg/kg dw	<0.0084	04/18/2003	16:33	1035	1463	epk	DT	SW 7471A
Nickel, ICP	8.6	mg/kg dw	<0.35	04/16/2003	13:09	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<3.5	mg/kg dw	<3.5	04/16/2003	13:09	1382	3913	emd	DT	SW 6010B
Silver, ICP	<1.4	mg/kg dw	<1.4	04/16/2003	13:09	1382	3865	emd	DT	SW 6010B
Zinc, ICP	25	mg/kg dw	<1.7	04/16/2003	13:09	1382	3848	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										DT
8260 - SW846 (Non-aq)	Complete	Complete		04/14/2003			2846	jxc	DT	
Acetone	<105	ug/kg dw	<105	04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A
tert-Butylbenzene	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A
sec-Butylbenzene	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A
n-Butylbenzene	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A
Bromochloromethane	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A
Bromodichloromethane	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A
Bromoform	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A
Bromobenzene	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A
2-Butanone (MEK)	<53	ug/kg dw	<53	04/14/2003			2846	jxc	DT	SW 8260A
Carbon disulfide	<5.3	ug/kg dw	<5.3	04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 24 of 44

SAMPLE NO. 836317 **SAMPLE DESCRIPTION** HEM078:SB7:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Chlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Chloroethane	<10.5	ug/kg dw	<10.5		04/14/2003		2846	jxc	DT	SW 8260A	
2-Chlorotoluene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
4-Chlorotoluene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Chloroform	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Chloromethane	<10.5	ug/kg dw	<10.5		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromochloromethane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromomethane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Ethylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
n-Hexane	<21.1	ug/kg dw	<21.1		04/14/2003		2846	jxc	DT	SW 8260A	
2-Hexanone	<52.6	ug/kg dw	<52.6		04/14/2003		2846	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Bromomethane	<10.5	ug/kg dw	<10.5		04/14/2003		2846	jxc	DT	SW 8260A	
Methylene Chloride	<10.5	ug/kg dw	<10.5		04/14/2003		2846	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 25 of 44

SAMPLE NO. 836317 **SAMPLE DESCRIPTION** HEM078:SB7:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<52.6	ug/kg dw	<52.6		04/14/2003			2846	jxc	DT	SW 8260A
n-Propylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Styrene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Naphthalene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Tetrachloroethene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Toluene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Trichloroethene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Vinyl Acetate	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Vinyl Chloride	<2.1	ug/kg dw	<2.1		04/14/2003			2846	jxc	DT	SW 8260A
Xylenes, Total	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
d4-1,2-Dichloroethane (surr)	98	%	80-120		04/14/2003			2846	jxc	DT	SW 8260A
Dibromofluoromethane (surr)	97	%	80-120		04/14/2003			2846	jxc	DT	SW 8260A
d8-Toluene (surr)	99	%	81-117		04/14/2003			2846	jxc	DT	SW 8260A
Bromofluorobenzene (surr)	93	%	74-121		04/14/2003			2846	jxc	DT	SW 8260A
PNA Non-Aq - 8270										DT	
Acenaphthene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Acenaphthylene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Anthracene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Benzo(a)anthracene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Benzo(a)pyrene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Benzo(b)fluoranthene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Benzo(ghi)perylene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Benzo(k)fluoranthene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Chrysene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	
Dibenz(ah)anthracene	<158	ug/kg dw	<158		04/18/2003		1322 2200	jdm	DT	SW 8270C	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 26 of 44

SAMPLE NO. 836317 **SAMPLE DESCRIPTION** HEM078:SB7:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<158	ug/kg dw	<158		04/18/2003		1322	2200	jdm	DT	SW 8270C
Fluorene	<158	ug/kg dw	<158		04/18/2003		1322	2200	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<158	ug/kg dw	<158		04/18/2003		1322	2200	jdm	DT	SW 8270C
Naphthalene	<158	ug/kg dw	<158		04/18/2003		1322	2200	jdm	DT	SW 8270C
Phenanthrene	<158	ug/kg dw	<158		04/18/2003		1322	2200	jdm	DT	SW 8270C
Pyrene	<158	ug/kg dw	<158		04/18/2003		1322	2200	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	80	%	28-120		04/18/2003		1322	2200	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	79	%	20-115		04/18/2003		1322	2200	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	72	%	18-137		04/18/2003		1322	2200	jdm	DT	SW 8270C

SAMPLE NO. 836318 **SAMPLE DESCRIPTION** HEM078:SB8:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:25

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/18/2003		2071		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	6.37	mg/kg dw	<0.132	L	04/18/2003		2071	597	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	94.8	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	14:57		1915	emd	DT	SW 6010B
Arsenic, GFAA	2.67	mg/kg dw	<0.867		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	23.3	mg/kg dw	<0.70		04/16/2003	13:12	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<1.0	mg/kg dw	<1.0		04/16/2003	13:12	1382	3846	emd	DT	SW 6010B
Chromium, ICP	6.6	mg/kg dw	<1.4		04/16/2003	13:12	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	3.0	mg/kg dw	<0.70		04/16/2003	13:12	1382	3951	emd	DT	SW 6010B
Copper, ICP	6.11	mg/kg dw	<0.70		04/16/2003	14:57	1382	3882	emd	DT	SW 6010B
Lead, ICP	<2.7	mg/kg dw	<2.7		04/16/2003	13:12	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	<0.0074	mg/kg dw	<0.0074		04/18/2003	16:35	1035	1463	epk	DT	SW 7471A
Nickel, ICP	7.4	mg/kg dw	<0.35		04/16/2003	13:12	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<3.5	mg/kg dw	<3.5		04/16/2003	13:12	1382	3913	emd	DT	SW 6010B
Silver, ICP	<1.4	mg/kg dw	<1.4		04/16/2003	13:12	1382	3865	emd	DT	SW 6010B
Zinc, ICP	478	mg/kg dw	<1.8		04/16/2003	13:12	1382	3848	emd	DT	SW 6010B

L - Spike concentration is less than 1/4 analyte concentration.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 27 of 44

SAMPLE NO. 836318 **SAMPLE DESCRIPTION** HEM078:SB8:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:25

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
826Q - SW846 (Non-aq)	Complete		Complete		04/14/2003			2846	jxc	DT	
Acetone	<105	ug/kg dw	<105		04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
tert-Butylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
sec-Butylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
n-Butylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Bromochloromethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Bromodichloromethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Bromoform	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Bromobenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
2-Butanone (MEK)	<53	ug/kg dw	<53		04/14/2003			2846	jxc	DT	SW 8260A
Carbon disulfide	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Carbon tetrachloride	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Chlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Chloroethane	<10.5	ug/kg dw	<10.5		04/14/2003			2846	jxc	DT	SW 8260A
2-Chlorotoluene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
4-Chlorotoluene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Chloroform	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Chloromethane	<10.5	ug/kg dw	<10.5		04/14/2003			2846	jxc	DT	SW 8260A
Dibromochloromethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Dibromomethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 28 of 44

SAMPLE NO. 836318 **SAMPLE DESCRIPTION** HEM078:SB8:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:25

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
1,1-Dichloroethene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Ethylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
n-Hexane	<21.1	ug/kg dw	<21.1		04/14/2003			2846	jxc	DT	SW 8260A
2-Hexanone	<52.7	ug/kg dw	<52.7		04/14/2003			2846	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Bromomethane	<10.5	ug/kg dw	<10.5		04/14/2003			2846	jxc	DT	SW 8260A
Methylene Chloride	<10.5	ug/kg dw	<10.5		04/14/2003			2846	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
4-Methyl-2-pentanone (MIBK)	<52.7	ug/kg dw	<52.7		04/14/2003			2846	jxc	DT	SW 8260A
n-Propylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Styrene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Naphthalene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Tetrachloroethene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Toluene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Trichloroethene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.3	ug/kg dw	<5.3		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 29 of 44

SAMPLE NO. 836318 **SAMPLE DESCRIPTION** HEM078:SB8:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:25

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Vinyl Acetate	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
Vinyl Chloride	<2.1	ug/kg dw	<2.1		04/14/2003		2846	jxc	DT	SW 8260A	
Xylenes, Total	<5.3	ug/kg dw	<5.3		04/14/2003		2846	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane(surr)	101	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromofluoromethane(surr)	98	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
d8-Toluene(surr)	99	%	81-117		04/14/2003		2846	jxc	DT	SW 8260A	
Bromofluorobenzene(surr)	97	%	74-121		04/14/2003		2846	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Acenaphthylene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Anthracene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Benzo(a)anthracene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Benzo(a)pyrene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Benzo(b)fluoranthene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Benzo(ghi)perylene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Benzo(k)fluoranthene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Chrysene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Dibenz(ah)anthracene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Fluoranthene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Fluorene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Indeno(1,2,3-cd)pyrene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Naphthalene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Phenanthrene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Pyrene	<158	ug/kg dw	<158		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Surrogate: d5-Nitrobenzene	71	%	28-120		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Surrogate: 2-Fluorobiphenyl	82	%	20-115		04/24/2003		1322	2207	jrjw	DT SW 8270C	
Surrogate: di4-Terphenyl	71	%	18-137		04/24/2003		1322	2207	jrjw	DT SW 8270C	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 30 of 44

SAMPLE NO. 836319 **SAMPLE DESCRIPTION** HEM078:SB9:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:45

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/18/2003		2071		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	83.7	mg/kg dw	<2.72		04/18/2003		2071	597	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	91.9	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	14:59		1915	emd	DT	SW 6010B
Arsenic, GFAA	5.82	mg/kg dw	<0.905		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	44.1	mg/kg dw	<3.5		04/16/2003	14:59	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<5.2	mg/kg dw	<5.2		04/16/2003	14:59	1382	3846	emd	DT	SW 6010B
Chromium, ICP	65.5	mg/kg dw	<7.0		04/16/2003	14:59	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	<3.5	mg/kg dw	<3.5		04/16/2003	14:59	1382	3951	emd	DT	SW 6010B
Copper, ICP	35.4	mg/kg dw	<3.5		04/16/2003	14:59	1382	3882	emd	DT	SW 6010B
Lead, ICP	21	mg/kg dw	<14		04/16/2003	14:59	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	0.055	mg/kg dw	<0.0076		04/18/2003	16:37	1035	1463	epk	DT	SW 7471A
Nickel, ICP	39.0	mg/kg dw	<1.7		04/16/2003	14:59	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<17	mg/kg dw	<17		04/16/2003	14:59	1382	3913	emd	DT	SW 6010B
Silver, ICP	<7.0	mg/kg dw	<7.0		04/16/2003	14:59	1382	3865	emd	DT	SW 6010B
Zinc, ICP	287	mg/kg dw	<8.7		04/16/2003	14:59	1382	3848	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/15/2003					DT	
Acetone	<109	ug/kg dw	<109		04/15/2003			2850	jxc	DT	SW 8260A
Benzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
tert-Butylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
sec-Butylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
n-Butylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromochloromethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromodichloromethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromoform	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromobenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
2-Butanone (MEK)	<54	ug/kg dw	<54		04/15/2003			2850	jxc	DT	SW 8260A
Carbon disulfide	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 31 of 44

SAMPLE NO. 836319 **SAMPLE DESCRIPTION** HEM078:SB9:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:45

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Carbon tetrachloride	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Chlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Chloroethane	<10.9	ug/kg dw	<10.9		04/15/2003			2850	jxc	DT	SW 8260A
2-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
4-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Chloroform	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Chloromethane	<10.9	ug/kg dw	<10.9		04/15/2003			2850	jxc	DT	SW 8260A
Dibromochloromethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Dibromomethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,1-Dichloroethene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Ethylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
n-Hexane	<21.8	ug/kg dw	<21.8		04/15/2003			2850	jxc	DT	SW 8260A
2-Hexanone	<54.4	ug/kg dw	<54.4		04/15/2003			2850	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromomethane	<10.9	ug/kg dw	<10.9		04/15/2003			2850	jxc	DT	SW 8260A
Methylene Chloride	<10.9	ug/kg dw	<10.9		04/15/2003			2850	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 32 of 44

SAMPLE NO. 836319 **SAMPLE DESCRIPTION** HEM078:SB9:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:45

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<54.4	ug/kg dw	<54.4		04/15/2003		2850	jxc	DT	SW 8260A	
n-Propylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Styrene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Naphthalene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Tetrachloroethene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Toluene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Trichloroethene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	8.9	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Vinyl Acetate	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/15/2003		2850	jxc	DT	SW 8260A	
Xylenes, Total	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	104	%	80-120		04/15/2003		2850	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	69	%	80-120	W	04/15/2003		2850	jxc	DT	SW 8260A	
d8-Toluene (surr)	100	%	81-117		04/15/2003		2850	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	94	%	74-121		04/15/2003		2850	jxc	DT	SW 8260A	
FNA Non-Aq - 8270									DT		
Acenaphthene	<163	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Acenaphthylene	<163	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Anthracene	<163	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(a)anthracene	461	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(a)pyrene	422	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(b)fluoranthene	691	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(ghi)perylene	<163	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Benzo(k)fluoranthene	262	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Chrysene	477	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Dibenz(ah)anthracene	<163	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C

W - Surrogate is outside of control limits.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 33 of 44

SAMPLE NO. 836319 **SAMPLE DESCRIPTION** HEM078:SB9:S000020:572 **DATE/TIME TAKEN** 04/08/2003 13:45

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Fluoranthene	979	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Fluorene	<163	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<163	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Naphthalene	<163	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Phenanthrene	589	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Pyrene	956	ug/kg dw	<163		04/25/2003		1322	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	89	%	28-120		04/25/2003		1322	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	93	%	20-115		04/25/2003		1322	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	97	%	18-137		04/25/2003		1322	2214	jdm	DT	SW 8270C

SAMPLE NO. 836320 **SAMPLE DESCRIPTION** HEM078:SB10:S040075:572 **DATE/TIME TAKEN** 04/08/2003 15:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/18/2003		2071		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	4.58	mg/kg dw	<0.147		04/18/2003		2071	597	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	85.1	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	15:02		1915	emd	DT	SW 6010B
Arsenic, GFAA	3.87	mg/kg dw	<0.928		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	11.6	mg/kg dw	<0.78		04/16/2003	13:18	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	<1.2	mg/kg dw	<1.2		04/16/2003	13:18	1382	3846	emd	DT	SW 6010B
Chromium, ICP	16.7	mg/kg dw	<1.5		04/16/2003	13:18	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	2.7	mg/kg dw	<0.78		04/16/2003	13:18	1382	3951	emd	DT	SW 6010B
Copper, ICP	21.3	mg/kg dw	<0.78		04/16/2003	15:02	1382	3882	emd	DT	SW 6010B
Lead, ICP	4.2	mg/kg dw	<3.1		04/16/2003	13:18	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	<0.0082	mg/kg dw	<0.0082		04/18/2003	16:39	1035	1463	epk	DT	SW 7471A
Nickel, ICP	14.8	mg/kg dw	<0.39		04/16/2003	13:18	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<3.9	mg/kg dw	<3.9		04/16/2003	13:18	1382	3913	emd	DT	SW 6010B
Silver, ICP	<1.5	mg/kg dw	<1.5		04/16/2003	13:18	1382	3865	emd	DT	SW 6010B
Zinc, ICP	74.3	mg/kg dw	<1.9		04/16/2003	13:18	1382	3848	emd	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 34 of 44

SAMPLE NO. 836320 **SAMPLE DESCRIPTION** HEM078:SB10:S040075:572 **DATE/TIME TAKEN** 04/08/2003 15:00

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1322		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	<118	ug/kg dw	<118		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<59	ug/kg dw	<59		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Carbon tetrachloride	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<11.8	ug/kg dw	<11.8		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<11.8	ug/kg dw	<11.8		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 35 of 44

SAMPLE NO. 836320 **SAMPLE DESCRIPTION** HEM078:SB10:S040075:572 **DATE/TIME TAKEN** 04/08/2003 15:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
1,1-Dichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	35.1	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<23.5	ug/kg dw	<23.5		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<58.8	ug/kg dw	<58.8		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<11.8	ug/kg dw	<11.8		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<11.8	ug/kg dw	<11.8		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<58.8	ug/kg dw	<58.8		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	12.6	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 36 of 44

SAMPLE NO. 836320 **SAMPLE DESCRIPTION** HEM078:SB10:S040075:572 **DATE/TIME TAKEN** 04/08/2003 15:00

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Vinyl Acetate	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/12/2003			2843	jxc	DT	SW 8260A
Xylenes, Total	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
d4-1,2-Dichloroethane (surr)	108	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
Dibromofluoromethane (surr)	100	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
d8-Toluene (surr)	102	%	81-117		04/12/2003			2843	jxc	DT	SW 8260A
Bromofluorobenzene (surr)	97	%	74-121		04/12/2003			2843	jxc	DT	SW 8260A
PNA Non-Aq - 8270										DT	
Acenaphthene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Acenaphthylene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Anthracene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Benzo(a)anthracene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Benzo(a)pyrene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Benzo(b)fluoranthene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Benzo(ghi)perylene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Benzo(k)fluoranthene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Chrysene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Dibenz(ah)anthracene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Fluoranthene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Fluorene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Indeno(1,2,3-cd)pyrene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Naphthalene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Phenanthrene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Pyrene	<176	ug/kg dw	<176		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Surrogate: d5-Nitrobenzene	60	%	28-120		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Surrogate: 2-Fluorobiphenyl	60	%	20-115		04/24/2003		1322 2207	jrw	DT	SW 8270C	
Surrogate: d14-Terphenyl	75	%	18-137		04/24/2003		1322 2207	jrw	DT	SW 8270C	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 37 of 44

SAMPLE NO. 836321 **SAMPLE DESCRIPTION** HEM078:SB11:S020035:572 **DATE/TIME TAKEN** 04/08/2003 15:20

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/18/2003		2071		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.135	mg/kg dw	<0.135	04/18/2003		2071	597	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	92.4	%	0.1	04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/16/2003	20:30		1916	emd	DT	SW 6010B
Arsenic, GFAA	2.22	mg/kg dw	<0.860	04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	14	mg/kg dw	<9.8	04/16/2003		1382	3865	emd	DT	SW 6010B
Cadmium, ICP	8.3	mg/kg dw	<15	04/16/2003		1382	3847	emd	DT	SW 6010B
Chromium, ICP	136	mg/kg dw	<19	04/16/2003		1382	3835	emd	DT	SW 6010B
Cobalt, ICP	<4.9	mg/kg dw	<9.8	04/16/2003		1382	3952	emd	DT	SW 6010B
Copper, ICP	96.5	mg/kg dw	<9.8	04/16/2003		1382	3883	emd	DT	SW 6010B
Lead, ICP	<9.8	mg/kg dw	<39	04/16/2003		1382	3838	emd	DT	SW 6010B
Mercury, CVAA	0.015	mg/kg dw	<0.0076	04/18/2003	16:46	1035	1463	epk	DT	SW 7471A
Nickel, ICP	65.2	mg/kg dw	<4.9	04/16/2003		1382	3860	emd	DT	SW 6010B
Selenium, ICP	<10	mg/kg dw	<49	04/16/2003		1382	3914	emd	DT	SW 6010B
Silver, ICP	<4.9	mg/kg dw	<19	04/16/2003		1382	3866	emd	DT	SW 6010B
Zinc, ICP	37	mg/kg dw	<25	04/16/2003		1382	3849	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										
8260 - SW846 (Non-aq)	Complete	Complete		04/12/2003			2843	jxc	DT	
Acetone	<108	ug/kg dw	<108	04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<54	ug/kg dw	<54	04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.4	ug/kg dw	<5.4	04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 38 of 44

SAMPLE NO. 836321 **SAMPLE DESCRIPTION** HEM078:SB11:S020035:572 **DATE/TIME TAKEN** 04/08/2003 15:20

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Chlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroethane	<10.8	ug/kg dw	<10.8		04/12/2003		2843	jxc	DT	SW 8260A	
2-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
4-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroform	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Chloromethane	<10.8	ug/kg dw	<10.8		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromochloromethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromomethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<21.6	ug/kg dw	<21.6		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<54.1	ug/kg dw	<54.1		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<10.8	ug/kg dw	<10.8		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<10.8	ug/kg dw	<10.8		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 39 of 44

SAMPLE NO. 836321 **SAMPLE DESCRIPTION** HEM078:SB11:S020035:572 **DATE/TIME TAKEN** 04/08/2003 15:20

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<54.1	ug/kg dw	<54.1		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Acetate	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane(surr)	109	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane(surr)	104	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene(surr)	105	%	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene(surr)	104	%	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Acenaphthylene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Anthracene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(a)anthracene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(a)pyrene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(b)fluoranthene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(ghi)perylene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(k)fluoranthene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Chrysene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Dibenz(ah)anthracene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 40 of 44

SAMPLE NO. 836321 **SAMPLE DESCRIPTION** HEM078:SB11:S020035:572 **DATE/TIME TAKEN** 04/08/2003 15:20

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Fluoranthene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	64	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	58	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	73	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

SAMPLE NO. 836322 **SAMPLE DESCRIPTION** HEM078:SB12:S000020:572 **DATE/TIME TAKEN** 04/08/2003 15:35

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/18/2003		2071		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	32.9	mg/kg dw	<5.90		04/18/2003		2071	597	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	84.7	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	15:08		1915	emd	DT	SW 6010B
Arsenic, GFAA	5.57	mg/kg dw	<0.970		04/17/2003		1230	848	lnh	DT	SW 7060A
Barium, ICP	98.0	mg/kg dw	<2.4		04/16/2003	15:08	1382	3864	emd	DT	SW 6010B
Cadmium, ICP	107	mg/kg dw	<3.5		04/16/2003	15:08	1382	3846	emd	DT	SW 6010B
Chromium, ICP	3,440	mg/kg dw	<4.7		04/16/2003	15:08	1382	3834	emd	DT	SW 6010B
Cobalt, ICP	3.7	mg/kg dw	<2.4		04/16/2003	15:08	1382	3951	emd	DT	SW 6010B
Copper, ICP	817	mg/kg dw	<2.4		04/16/2003	15:08	1382	3882	emd	DT	SW 6010B
Lead, ICP	183	mg/kg dw	<9.3		04/16/2003	15:08	1382	3837	emd	DT	SW 6010B
Mercury, CVAA	0.061	mg/kg dw	<0.0094		04/18/2003	16:48	1035	1463	epk	DT	SW 7471A
Nickel, ICP	752	mg/kg dw	<1.2		04/16/2003	15:08	1382	3859	emd	DT	SW 6010B
Selenium, ICP	<12	mg/kg dw	<12		04/16/2003	15:08	1382	3913	emd	DT	SW 6010B
Silver, ICP	<4.7	mg/kg dw	<4.7		04/16/2003	15:08	1382	3865	emd	DT	SW 6010B
Zinc, ICP	4,820	mg/kg dw	<5.9		04/16/2003	15:08	1382	3848	emd	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 41 of 44

SAMPLE NO. 836322 **SAMPLE DESCRIPTION** HEM078:SB12:S000020:572 **DATE/TIME TAKEN** 04/08/2003 15:35

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	10:30	1382		epk	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/15/2003	11:30	1230		epk	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											DT
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	<118	ug/kg dw	<118		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<59	ug/kg dw	<59		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Carbon tetrachloride	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<11.8	ug/kg dw	<11.8		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<11.8	ug/kg dw	<11.8		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	24.8	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 42 of 44

SAMPLE NO. 836322 **SAMPLE DESCRIPTION** HEM078:SB12:S000020:572 **DATE/TIME TAKEN** 04/08/2003 15:35

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
1,1-Dichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Ethylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
n-Hexane	<23.6	ug/kg dw	<23.6		04/12/2003			2843	jxc	DT	SW 8260A
2-Hexanone	<59.0	ug/kg dw	<59.0		04/12/2003			2843	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Bromomethane	<11.8	ug/kg dw	<11.8		04/12/2003			2843	jxc	DT	SW 8260A
Methylene Chloride	<11.8	ug/kg dw	<11.8		04/12/2003			2843	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
4-Methyl-2-pentanone (MIBK)	<59.0	ug/kg dw	<59.0		04/12/2003			2843	jxc	DT	SW 8260A
n-Propylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Styrene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Naphthalene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Tetrachloroethene	12.5	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Toluene	7.2	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Trichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	13.0	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07425
 Report Date: 04/29/2003
 Page: 43 of 44

SAMPLE NO. 836322 **SAMPLE DESCRIPTION** HEM078:SB12:S000020:572 **DATE/TIME TAKEN** 04/08/2003 15:35

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Vinyl Acetate	<5.9	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/12/2003			2843	jxc	DT	SW 8260A
Xylenes, Total	22.2	ug/kg dw	<5.9		04/12/2003			2843	jxc	DT	SW 8260A
d4-1,2-Dichloroethane(surr)	107	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
Dibromofluoromethane(surr)	98	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
d8-Toluene(surr)	102	%	81-117		04/12/2003			2843	jxc	DT	SW 8260A
Bromofluorobenzene(surr)	111	%	74-121		04/12/2003			2843	jxc	DT	SW 8260A
FNA Non-Aq - 8270										DT	
Acenaphthene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	280	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	305	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	410	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	292	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluoranthene	521	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<177	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	266	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	549	ug/kg dw	<177		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	12	%	28-120	W	04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	40	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	74	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

W - Surrogate is outside of control limits.

TestAmerica Analytical Testing Corporation
Notes and Comments

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07425
Report Date: 04/29/2003
Page: 44 of 44

Sample Number: 836319

Analysis: 8260

Due to matrix interference, the recovery of surrogate dibromofluoromethane was out of control range.

307425

NO. 07006

CHAIN OF CUSTODY RECORD

Hull & Associates, Inc.

Dublin 16190 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) 385-5488

Mason 4700 Duke Drive
Suite 172
Mason, Ohio 45040
Phone: (513) 459-9677
Fax: (513) 459-9869

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

REPORT TO: ADAM ALTMAN

Client: HEMISPHERE
Site: BEAUFORT - McLAUGHLIN SANDUSKY
Project#: HEM078 Phase: _____
Samplers: ALTECK

SAMPLE TYPES:
A AIR
C ASBESTOS
D SEDIMENT
G GROUNDWATER
E SOIL/SLURRY
S SOLID
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 - ZnAcetate + NaOH, pH>8
F - Na₂S₂O₅ (0.008%)
G - HCl pH<2

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

PRESERVATIVES	ANALYSES
WCK'S B260	IRON METALS GOLD/PLAT
PKH B270	INCLUDE ZINC, CHROMIUM
	TRB'S GLOB
	TRB'S GLOB AND METALS

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE	SAMPLER ID	NO. OF METALS CONT.	SAMPLING DATE/TIME	COMMENTS
HEM078	5B1	5000030	572	2	4/8/03 11:25	
	5B2	5000030	572	2	4/8/03 11:45	OHIO
	5B3	5000035	572	2	4/8/03 12:00	VAP
	5B4	5000030	572	2	4/8/03 12:10	
	5B5	5000030	572	2	4/8/03 12:20	
	5B6	5000035	572	2	4/8/03 12:50	
	5B7	5000030	572	2	4/8/03 13:10	
	5B8	5000030	572	2	4/8/03 13:25	
	5B9	5000030	572	2	4/8/03 13:45	
	5B10	5040075	572	2	4/8/03 15:00	
	5B11	5000035	572	2	4/8/03 15:20	
	5B12	5000030	572	2	4/8/03 15:35	

RELINQUISHED BY: for Adam DATE: 4-10-03 TIME: 16:00

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____

RECEIVED BY: for K. D. ... DATE: 4-11-03 TIME: 9:00

COOLER TEMPERATURE AS RECEIVED °C: 3.2

DELIVER TO: TEST AMERICA, KETTERING, OH

METHOD OF DELIVERY: FED-EX

AIRBILL NUMBER: 8260446142319

NOTES: _____

TURN AROUND TIME: STANDARD DAYS

4/10/19

AFFIDAVIT

TestAmerica, Inc. (VAP Laboratory No. CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY

SS:

I, **B. Chris Weathington**, being first duly sworn according to law deposes and states that, to the best of my knowledge, information and belief:

- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by **TestAmerica, Inc.** as **Laboratory Director** and was authorized to submit this affidavit on behalf of **TestAmerica, Inc.** for the attached report.
- 3) TestAmerica performed analysis for **Hull & Associates** concerning a voluntary action for the property located at **HEM078**.
- 4) TestAmerica was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by **TestAmerica**, for the purposes of conducting or completing the voluntary action at the referenced property, complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **03.07425**.
- 7) All information, data, documents and reports submitted by **TestAmerica**, identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) **TestAmerica** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3), in performing the analysis for **Hull & Associates** for the referenced property.

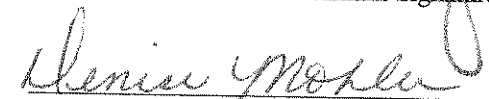
B. Chris Weathington

Further affiant sayeth naught

Sworn to before me this 29th day of April, 2003

Notary


Affiant Signature



DENISE MOHLER
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES
JUNE 7, 2005

TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 1 of 80

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

Project: HEM078

<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
836327	HEM078:SB13:S020035:572	04/08/2003	04/11/2003
836328	HEM078:SB14:S000020:572	04/08/2003	04/11/2003
836329	HEM078:SB15:S040050:572	04/08/2003	04/11/2003
836330	HEM078:SB16:S020030:572	04/08/2003	04/11/2003
836331	HEM078:SB17:S020030:572	04/09/2003	04/11/2003
836332	HEM078:SB18:S040050:572	04/09/2003	04/11/2003
836333	HEM078:SB19:S040060:572	04/09/2003	04/11/2003
836334	HEM078:SB20:S040060:572	04/09/2003	04/11/2003
836335	HEM078:SB21:S000020:572	04/09/2003	04/11/2003
836336	HEM078:SB22:S000020:572	04/09/2003	04/11/2003
836337	HEM078:SB23:S000020:572	04/09/2003	04/11/2003
836338	HEM078:SB24:S020032:572	04/09/2003	04/11/2003
836339	HEM078:SB25:S000020:572	04/09/2003	04/11/2003
836340	HEM078:SB26:S020035:572	04/09/2003	04/11/2003
836341	HEM078:SB27:S020030:572	04/09/2003	04/11/2003
836342	HEM078:SB28:S020030:572	04/09/2003	04/11/2003
836343	HEM078:SB29:S020030:572	04/09/2003	04/11/2003
836344	HEM078:SB30:S020030:572	04/09/2003	04/11/2003
836345	HEM078:SB31:S010020:572	04/09/2003	04/11/2003
836346	HEM078:SB32:S020030:572	04/09/2003	04/11/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval



TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 2 of 80

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

Project: HEM078

<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
836347	HEM078:SB33:S000020:572	04/09/2003	04/11/2003
836348	Trip Blank	04/09/2003	04/11/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 3 of 80

SAMPLE NO. 836327 **SAMPLE DESCRIPTION** HEM078:SB13:S020035:572 **DATE/TIME TAKEN** 04/08/2003 15:45

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference	
Cyanide Prep	Complete	Complete		04/18/2003		2071		mlk	DT	EPA 335.2 (CLP-M)	
Cyanide, Total	0.259 mg/kg dw	<0.135		04/21/2003		2071	599	gcw	DT	EPA 335.2 (CLP-M)	
Dry Weight	92.4 %	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.	
ICP NONAQUEOUS	Complete	Complete		04/15/2003				1914	tpw	DT	SW 6010B
Arsenic, GFAA	1.02 mg/kg dw	<0.176	i	04/21/2003		1231	850	lnh	DT	SW 7060A	
Barium, ICP	4.4 mg/kg dw	<4.9		04/15/2003		1383	3863	tpw	DT	SW 6010B	
Cadmium, ICP	<6.4 mg/kg dw	<7.4		04/15/2003		1383	3845	tpw	DT	SW 6010B	
Chromium, ICP	35.2 mg/kg dw	<9.7		04/15/2003		1383	3833	tpw	DT	SW 6010B	
Cobalt, ICP	<4.2 mg/kg dw	<4.9		04/15/2003		1383	3950	tpw	DT	SW 6010B	
Copper, ICP	73.2 mg/kg dw	<4.9		04/15/2003		1383	3881	tpw	DT	SW 6010B	
Lead, ICP	<17 mg/kg dw	<19		04/15/2003		1383	3836	tpw	DT	SW 6010B	
Mercury, CVAA	0.012 mg/kg dw	<0.0076		04/18/2003	16:50	1035	1463	epk	DT	SW 7471A	
Nickel, ICP	14 mg/kg dw	<2.4		04/15/2003		1383	3858	tpw	DT	SW 6010B	
Selenium, ICP	<22 mg/kg dw	<24		04/15/2003		1383	3912	tpw	DT	SW 6010B	
Silver, ICP	<8.5 mg/kg dw	<9.7		04/15/2003		1383	3864	tpw	DT	SW 6010B	
Zinc, ICP	64.2 mg/kg dw	<12	i	04/15/2003		1383	3847	tpw	DT	SW 6010B	
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B	
GFAA Digestion, Nonaqueous	Complete	Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B	
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A	
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/15/2003		1323		mhg	DT		
VOLATILE COMPOUNDS-8260 Non-Aq										DT	
8260 - SW846 (Non-aq)	Complete	Complete		04/12/2003			2843	jxc	DT		
Acetone	<108 ug/kg dw	<108		04/12/2003			2843	jxc	DT	SW 8260A	
Benzene	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	
tert-Butylbenzene	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	
sec-Butylbenzene	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	
n-Butylbenzene	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	
Bromochloromethane	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	
Bromodichloromethane	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	
Bromoform	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	
Bromobenzene	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	
2-Butanone (MEK)	<54 ug/kg dw	<54		04/12/2003			2843	jxc	DT	SW 8260A	
Carbon disulfide	<5.4 ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A	

i - MS and MSD recoveries outside of control limits.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 4 of 80

SAMPLE NO. 836327 **SAMPLE DESCRIPTION** HEM078:SB13:S020035:572 **DATE/TIME TAKEN** 04/08/2003 15:45

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Carbon tetrachloride	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Ethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
n-Hexane	<21.6	ug/kg dw	<21.6		04/12/2003			2843	jxc	DT	SW 8260A
2-Hexanone	<54.1	ug/kg dw	<54.1		04/12/2003			2843	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromomethane	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
Methylene Chloride	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 5 of 80

SAMPLE NO. 836327 **SAMPLE DESCRIPTION** HEM078:SB13:S020035:572 **DATE/TIME TAKEN** 04/08/2003 15:45

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<54.1	ug/kg dw	<54.1		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	7.7	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Acetate	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane(surr)	109	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane(surr)	103	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene(surr)	101	%	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene(surr)	99	%	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Acenaphthylene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Anthracene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(a)anthracene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(a)pyrene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(b)fluoranthene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(ghi)perylene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(k)fluoranthene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Chrysene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	
Dibenz(ah)anthracene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT SW 8270C	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 6 of 80

SAMPLE NO. 836327 **SAMPLE DESCRIPTION** HEM078:SB13:S020035:572 **DATE/TIME TAKEN** 04/08/2003 15:45

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Fluoranthene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<162	ug/kg dw	<162		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	64	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	62	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	74	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

SAMPLE NO. 836328 **SAMPLE DESCRIPTION** HEM078:SB14:S000020:572 **DATE/TIME TAKEN** 04/08/2003 16:05

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.456	mg/kg dw	<0.128		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	98.0	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	02:49		1914	tpw	DT	SW 6010B
Arsenic, GFAA	1.13	mg/kg dw	<0.169		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	<4.5	mg/kg dw	<4.5		04/16/2003	01:32	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<6.7	mg/kg dw	<6.7		04/16/2003	01:32	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	<9.0	mg/kg dw	<9.0		04/16/2003	01:32	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	<4.5	mg/kg dw	<4.5		04/16/2003	01:32	1383	3950	tpw	DT	SW 6010B
Copper, ICP	4.7	mg/kg dw	<4.5		04/16/2003	01:32	1383	3881	tpw	DT	SW 6010B
Lead, ICP	<18	mg/kg dw	<18		04/16/2003	01:32	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	<0.0071	mg/kg dw	<0.0071		04/18/2003	16:52	1035	1463	epk	DT	SW 7471A
Nickel, ICP	8.2	mg/kg dw	<2.9		04/16/2003	02:49	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<22	mg/kg dw	<22		04/16/2003	01:32	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<9.0	mg/kg dw	<9.0		04/16/2003	01:32	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	34	mg/kg dw	<11		04/16/2003	01:32	1383	3847	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 7 of 80

SAMPLE NO. 836328 **SAMPLE DESCRIPTION** HEM078:SB14:S000020:572 **DATE/TIME TAKEN** 04/08/2003 16:05

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	<102	ug/kg dw	<102		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<51	ug/kg dw	<51		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Carbon tetrachloride	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<10.2	ug/kg dw	<10.2		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<10.2	ug/kg dw	<10.2		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 8 of 80

SAMPLE NO. 836328 **SAMPLE DESCRIPTION** HEM078:SB14:S000020:572 **DATE/TIME TAKEN** 04/08/2003 16:05

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
1,1-Dichloroethene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Ethylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
n-Hexane	<20.4	ug/kg dw	<20.4		04/12/2003			2843	jxc	DT	SW 8260A
2-Hexanone	<51.0	ug/kg dw	<51.0		04/12/2003			2843	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromomethane	<10.2	ug/kg dw	<10.2		04/12/2003			2843	jxc	DT	SW 8260A
Methylene Chloride	<10.2	ug/kg dw	<10.2		04/12/2003			2843	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
4-Methyl-2-pentanone (MIBK)	<51.0	ug/kg dw	<51.0		04/12/2003			2843	jxc	DT	SW 8260A
n-Propylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Styrene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Naphthalene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Tetrachloroethene	32.2	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Toluene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Trichloroethene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	15.5	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 9 of 80

SAMPLE NO. 836328 **SAMPLE DESCRIPTION** HEM078:SB14:S000020:572 **DATE/TIME TAKEN** 04/08/2003 16:05

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Vinyl Acetate	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Vinyl Chloride	<2.0	ug/kg dw	<2.0		04/12/2003			2843	jxc	DT	SW 8260A
Xylenes, Total	11.7	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
d4-1,2-Dichloroethane(surr)	111	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
Dibromofluoromethane(surr)	103	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
d8-Toluene(surr)	97	%	81-117		04/12/2003			2843	jxc	DT	SW 8260A
Bromofluorobenzene(surr)	100	%	74-121		04/12/2003			2843	jxc	DT	SW 8260A
PNA Non-Aq - 8270										DT	
Acenaphthene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Acenaphthylene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Anthracene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(a)anthracene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(a)pyrene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(b)fluoranthene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(ghi)perylene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(k)fluoranthene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Chrysene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Dibenz(ah)anthracene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Fluoranthene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Fluorene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Naphthalene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Phenanthrene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Pyrene	<153	ug/kg dw	<153		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	82	%	28-120		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	84	%	20-115		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	94	%	18-137		04/25/2003		1323	2214	jdm	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 10 of 80

SAMPLE NO. 836329 **SAMPLE DESCRIPTION** HEM078:SB15:S040050:572 **DATE/TIME TAKEN** 04/08/2003 09:05

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	6.38	mg/kg dw	<0.131		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	95.4	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	01:34		1914	tpw	DT	SW 6010B
Arsenic, GFAA	2.11	mg/kg dw	<0.172		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	<4.2	mg/kg dw	<4.2		04/16/2003	01:34	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<6.3	mg/kg dw	<6.3		04/16/2003	01:34	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	<8.4	mg/kg dw	<8.4		04/16/2003	01:34	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	<4.2	mg/kg dw	<4.2		04/16/2003	01:34	1383	3950	tpw	DT	SW 6010B
Copper, ICP	4.4	mg/kg dw	<4.2		04/16/2003	01:34	1383	3881	tpw	DT	SW 6010B
Lead, ICP	<17	mg/kg dw	<17		04/16/2003	01:34	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.038	mg/kg dw	<0.0084		04/18/2003	16:54	1035	1463	epk	DT	SW 7471A
Nickel, ICP	6.9	mg/kg dw	<2.1		04/16/2003	01:34	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<21	mg/kg dw	<21		04/16/2003	01:34	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<8.4	mg/kg dw	<8.4		04/16/2003	01:34	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	30	mg/kg dw	<10		04/16/2003	01:34	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	247	ug/kg dw	<210		04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	74.7	ug/kg dw	<52		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 11 of 80

SAMPLE NO. 836329 **SAMPLE DESCRIPTION** HEM078:SB15:S040050:572 **DATE/TIME TAKEN** 04/08/2003 09:05

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroethane	<10.5	ug/kg dw	<10.5		04/12/2003		2843	jxc	DT	SW 8260A	
2-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
4-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroform	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloromethane	<10.5	ug/kg dw	<10.5		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromochloromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromomethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<21.0	ug/kg dw	<21.0		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<52.4	ug/kg dw	<52.4		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<10.5	ug/kg dw	<10.5		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<10.5	ug/kg dw	<10.5		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 12 of 80

SAMPLE NO. 836329 **SAMPLE DESCRIPTION** HEM078:SB15:S040050:572 **DATE/TIME TAKEN** 04/08/2003 09:05

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
4-Methyl-2-pentanone (MIBK)	<52.4	ug/kg dw	<52.4		04/12/2003			2843	jxc	DT	SW 8260A
n-Propylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Styrene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Naphthalene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Tetrachloroethene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Toluene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Trichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Vinyl Acetate	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Vinyl Chloride	<2.1	ug/kg dw	<2.1		04/12/2003			2843	jxc	DT	SW 8260A
Xylenes, Total	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
d4-1,2-Dichloroethane (surr)	110	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
Dibromofluoromethane (surr)	104	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
d8-Toluene (surr)	99	%	81-117		04/12/2003			2843	jxc	DT	SW 8260A
Bromofluorobenzene (surr)	97	%	74-121		04/12/2003			2843	jxc	DT	SW 8260A
PNA Non-Aq - 8270										DT	
Acenaphthene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Acenaphthylene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Anthracene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Benzo(a)anthracene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Benzo(a)pyrene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Benzo(b)fluoranthene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Benzo(ghi)perylene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Benzo(k)fluoranthene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Chrysene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C
Dibenz(ah)anthracene	<157	ug/kg dw	<157		04/24/2003			1323	2211	jcs	DT SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 13 of 80

SAMPLE NO. 836329 **SAMPLE DESCRIPTION** HEM078:SB15:S040050:572 **DATE/TIME TAKEN** 04/08/2003 09:05

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<157	ug/kg dw	<157		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<157	ug/kg dw	<157		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<157	ug/kg dw	<157		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<157	ug/kg dw	<157		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<157	ug/kg dw	<157		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<157	ug/kg dw	<157		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	70	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	75	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	88	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

SAMPLE NO. 836330 **SAMPLE DESCRIPTION** HEM078:SB16:S020030:572 **DATE/TIME TAKEN** 04/08/2003 16:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/18/2003		2071		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	1.11	mg/kg dw	<0.136		04/21/2003		2071	599	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	92.0	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	20:40		1916	emd	DT	SW 6010B
Arsenic, GFAA	5.66	mg/kg dw	<0.883		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	36.4	mg/kg dw	<2.8		04/16/2003	01:37	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	15.9	mg/kg dw	<11		04/16/2003	20:40	1383	3847	emd	DT	SW 6010B
Chromium, ICP	15.5	mg/kg dw	<5.7		04/16/2003	01:37	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	4	mg/kg dw	<2.8		04/16/2003	01:37	1383	3950	tpw	DT	SW 6010B
Copper, ICP	178	mg/kg dw	<2.8		04/16/2003	01:37	1383	3881	tpw	DT	SW 6010B
Lead, ICP	125	mg/kg dw	<11		04/16/2003	01:37	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	1.26	mg/kg dw	<0.0870		04/18/2003	17:18	1035	1463	epk	DT	SW 7471A
Nickel, ICP	60	mg/kg dw	<1.4		04/16/2003	01:37	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<14	mg/kg dw	<14		04/16/2003	01:37	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<5.7	mg/kg dw	<5.7		04/16/2003	01:37	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	3,150	mg/kg dw	<7.2		04/16/2003	01:37	1383	3847	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 14 of 80

SAMPLE NO. 836330 **SAMPLE DESCRIPTION** HEM078:SB16:S020030:572 **DATE/TIME TAKEN** 04/08/2003 16:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	135	ug/kg dw	<109		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<54	ug/kg dw	<54		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Carbon tetrachloride	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<10.9	ug/kg dw	<10.9		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<10.9	ug/kg dw	<10.9		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 15 of 80

SAMPLE NO. 836330 **SAMPLE DESCRIPTION** HEM078:SB16:S020030:572 **DATE/TIME TAKEN** 04/08/2003 16:40

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
1,1-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	18.3	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Ethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
n-Hexane	<21.7	ug/kg dw	<21.7		04/12/2003			2843	jxc	DT	SW 8260A
2-Hexanone	<54.3	ug/kg dw	<54.3		04/12/2003			2843	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromomethane	<10.9	ug/kg dw	<10.9		04/12/2003			2843	jxc	DT	SW 8260A
Methylene Chloride	<10.9	ug/kg dw	<10.9		04/12/2003			2843	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
4-Methyl-2-pentanone (MIBK)	<54.3	ug/kg dw	<54.3		04/12/2003			2843	jxc	DT	SW 8260A
n-Propylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Styrene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Naphthalene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1,2,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Tetrachloroethene	34,700	ug/kg dw	<272		04/15/2003			2852	mrh	DT	SW 8260A
Toluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Trichloroethene	1,970	ug/kg dw	<272		04/15/2003			2852	mrh	DT	SW 8260A
Trichlorofluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,3,5-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 16 of 80

SAMPLE NO. 836330 **SAMPLE DESCRIPTION** HEM078:SB16:S020030:572 **DATE/TIME TAKEN** 04/08/2003 16:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Vinyl Acetate	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/12/2003			2843	jxc	DT	SW 8260A
Xylenes, Total	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
d4-1,2-Dichloroethane(surr)	112	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
Dibromofluoromethane(surr)	104	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
d8-Toluene(surr)	100	%	81-117		04/12/2003			2843	jxc	DT	SW 8260A
Bromofluorobenzene(surr)	98	%	74-121		04/12/2003			2843	jxc	DT	SW 8260A
PNA Non-Aq - 8270										DT	
Acenaphthene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	193	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluoranthene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<163	ug/kg dw	<163		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	79	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	80	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	84	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 17 of 80

SAMPLE NO. 836331 **SAMPLE DESCRIPTION** HEM078:SB17:S020030:572 **DATE/TIME TAKEN** 04/09/2003 08:35

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	24.7	mg/kg dw	<2.77	04/18/2003		2070	597	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	90.3	%	0.1	04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/16/2003	19:32		1916	emd	DT	SW 6010B
Arsenic, GFAA	4.22	mg/kg dw	<0.875	04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	193	mg/kg dw	<1.4	04/15/2003	22:34	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	52	mg/kg dw	<2.1	04/15/2003	22:34	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	293	mg/kg dw	<2.9	04/15/2003	22:34	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	6.4	mg/kg dw	<1.4	04/15/2003	22:34	1383	3950	tpw	DT	SW 6010B
Copper, ICP	608	mg/kg dw	<35	04/16/2003	19:32	1383	3883	emd	DT	SW 6010B
Lead, ICP	264	mg/kg dw	<5.8	04/15/2003	22:34	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.132	mg/kg dw	<0.0089	04/18/2003	16:57	1035	1463	epk	DT	SW 7471A
Nickel, ICP	556	mg/kg dw	<0.72	04/15/2003	22:34	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<7.2	mg/kg dw	<7.2	04/15/2003	22:34	1383	3912	tpw	DT	SW 6010B
Silver, ICP	3.1	mg/kg dw	<2.9	04/15/2003	22:34	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	2,600	mg/kg dw	<3.5	04/15/2003	22:34	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										DT
8260 - SW846 (Non-aq)	Complete	Complete		04/12/2003			2843	jxc	DT	
Acetone	<111	ug/kg dw	<111	04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<55	ug/kg dw	<55	04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.5	ug/kg dw	<5.5	04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 18 of 80

SAMPLE NO. 836331 **SAMPLE DESCRIPTION** HEM078:SB17:S020030:572 **DATE/TIME TAKEN** 04/09/2003 08:35

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Chlorobenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroethane	<11.1	ug/kg dw	<11.1		04/12/2003		2843	jxc	DT	SW 8260A	
2-Chlorotoluene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
4-Chlorotoluene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroform	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Chloromethane	<11.1	ug/kg dw	<11.1		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromochloromethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromomethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	81.8	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<22.1	ug/kg dw	<22.1		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<55.4	ug/kg dw	<55.4		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<11.1	ug/kg dw	<11.1		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<11.1	ug/kg dw	<11.1		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 19 of 80

SAMPLE NO. 836331 **SAMPLE DESCRIPTION** HEM078:SB17:S020030:572 **DATE/TIME TAKEN** 04/09/2003 08:35

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<55.4	ug/kg dw	<55.4		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	36.4	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	18.2	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Acetate	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<5.5	ug/kg dw	<5.5		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	111	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	106	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene (surr)	102	%	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	97	%	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<166	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Acenaphthylene	<166	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Anthracene	<166	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Benzo(a)anthracene	290	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Benzo(a)pyrene	235	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Benzo(b)fluoranthene	797	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Benzo(ghi)perylene	<166	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Benzo(k)fluoranthene	260	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Chrysene	290	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	
Dibenz(ah)anthracene	<166	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT SW 8270C	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 20 of 80

SAMPLE NO. 836331 **SAMPLE DESCRIPTION** HEM078:SB17:S020030:572 **DATE/TIME TAKEN** 04/09/2003 08:35

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Fluoranthene	557	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT	SW 8270C
Fluorene	<166	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<166	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT	SW 8270C
Naphthalene	<166	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT	SW 8270C
Phenanthrene	430	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT	SW 8270C
Pyrene	433	ug/kg dw	<166		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	70	%	28-120		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	65	%	20-115		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	73	%	18-137		04/25/2003		1323	2214	jdm	DT	SW 8270C

SAMPLE NO. 836332 **SAMPLE DESCRIPTION** HEM078:SB18:S040050:572 **DATE/TIME TAKEN** 04/09/2003 09:05

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/18/2003		2071		mik	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.836	mg/kg dw	<0.128		04/21/2003		2071	599	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	97.6	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	19:36		1916	emd	DT	SW 6010B
Arsenic, GFAA	3.11	mg/kg dw	<0.842		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	76.6	mg/kg dw	<1.3		04/15/2003	22:37	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<2.0	mg/kg dw	<2.0		04/15/2003	22:37	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	156	mg/kg dw	<2.7		04/15/2003	22:37	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	6.2	mg/kg dw	<1.3		04/15/2003	22:37	1383	3950	tpw	DT	SW 6010B
Copper, ICP	133	mg/kg dw	<17		04/16/2003	19:36	1383	3883	emd	DT	SW 6010B
Lead, ICP	22.6	mg/kg dw	<5.4		04/15/2003	22:37	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.065	mg/kg dw	<0.0082		04/18/2003	16:59	1035	1463	epk	DT	SW 7471A
Nickel, ICP	58.5	mg/kg dw	<0.68		04/15/2003	22:37	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<6.8	mg/kg dw	<6.8		04/15/2003	22:37	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<2.7	mg/kg dw	<2.7		04/15/2003	22:37	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	71.2	mg/kg dw	<3.4		04/15/2003	22:37	1383	3847	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 21 of 80

SAMPLE NO. 836332 **SAMPLE DESCRIPTION** HEM078:SB18:S040050:572 **DATE/TIME TAKEN** 04/09/2003 09:05

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											DT
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	<102	ug/kg dw	<102		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<51	ug/kg dw	<51		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Carbon tetrachloride	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<10.2	ug/kg dw	<10.2		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<10.2	ug/kg dw	<10.2		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 22 of 80

SAMPLE NO. 836332 **SAMPLE DESCRIPTION** HEM078:SB18:S040050:572 **DATE/TIME TAKEN** 04/09/2003 09:05

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
1,1-Dichloroethene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	10.2	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<20.5	ug/kg dw	<20.5		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<51.2	ug/kg dw	<51.2		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<10.2	ug/kg dw	<10.2		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<10.2	ug/kg dw	<10.2		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<51.2	ug/kg dw	<51.2		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	52.5	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	40.9	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.1	ug/kg dw	<5.1		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 23 of 80

SAMPLE NO. 836332 **SAMPLE DESCRIPTION** HEM078:SB18:S040050:572 **DATE/TIME TAKEN** 04/09/2003 09:05

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Vinyl Acetate	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
Vinyl Chloride	<2.0	ug/kg dw	<2.0		04/12/2003			2843	jxc	DT	SW 8260A
Xylenes, Total	<5.1	ug/kg dw	<5.1		04/12/2003			2843	jxc	DT	SW 8260A
d4-1,2-Dichloroethane (surr)	112	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
Dibromofluoromethane (surr)	105	%	80-120		04/12/2003			2843	jxc	DT	SW 8260A
d8-Toluene (surr)	103	%	81-117		04/12/2003			2843	jxc	DT	SW 8260A
Bromofluorobenzene (surr)	98	%	74-121		04/12/2003			2843	jxc	DT	SW 8260A
PNA Non-Ag - 8270										DT	
Acenaphthene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluoranthene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<154	ug/kg dw	<154		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	60	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	32	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	78	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 24 of 80

SAMPLE NO. 836333 **SAMPLE DESCRIPTION** HEM078:SB19:S040060:572 **DATE/TIME TAKEN** 04/09/2003 09:35

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	1.47	mg/kg dw	<0.130		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	96.3	%	0.1		04/17/2003	9:25		2288	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	19:39		1916	emd	DT	SW 6010B
Arsenic, GFAA	2.69	mg/kg dw	<0.849		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	59.2	mg/kg dw	<1.3		04/15/2003	22:47	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	42.5	mg/kg dw	<2.1		04/15/2003	22:47	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	665	mg/kg dw	<2.7		04/15/2003	22:47	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	2.3	mg/kg dw	<1.3		04/15/2003	22:47	1383	3950	tpw	DT	SW 6010B
Copper, ICP	1,450	mg/kg dw	<69		04/16/2003	19:39	1383	3883	emd	DT	SW 6010B
Lead, ICP	20.0	mg/kg dw	<5.5		04/15/2003	22:47	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.034	mg/kg dw	<0.0083		04/18/2003	17:01	1035	1463	epk	DT	SW 7471A
Nickel, ICP	447	mg/kg dw	<0.69		04/15/2003	22:47	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<6.9	mg/kg dw	<6.9		04/15/2003	22:47	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<2.7	mg/kg dw	<2.7		04/15/2003	22:47	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	738	mg/kg dw	<3.4		04/15/2003	22:47	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003					DT	
Acetone	<104	ug/kg dw	<104		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<52	ug/kg dw	<52		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 25 of 80

SAMPLE NO. 836333 **SAMPLE DESCRIPTION** HEM078:SB19:S040060:572 **DATE/TIME TAKEN** 04/09/2003 09:35

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
2-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
4-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroform	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloromethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromochloromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromomethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	57.8	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<20.8	ug/kg dw	<20.8		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<51.9	ug/kg dw	<51.9		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 26 of 80

SAMPLE NO. 836333 **SAMPLE DESCRIPTION** HEM078:SB19:S040060:572 **DATE/TIME TAKEN** 04/09/2003 09:35

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<51.9	ug/kg dw	<51.9		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	10.9	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	35.8	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Acetate	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.1	ug/kg dw	<2.1		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	109	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	105	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene (surr)	103	%	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	103	%	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Acenaphthylene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Anthracene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(a)anthracene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(a)pyrene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(b)fluoranthene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(ghi)perylene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(k)fluoranthene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Chrysene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Dibenz(ah)anthracene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 27 of 80

SAMPLE NO. 836333 **SAMPLE DESCRIPTION** HEM078:SB19:S040060:572 **DATE/TIME TAKEN** 04/09/2003 09:35

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Fluorene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Naphthalene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Phenanthrene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Pyrene	<156	ug/kg dw	<156		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	70	%	28-120		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	65	%	20-115		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	74	%	18-137		04/25/2003		1323	2214	jdm	DT	SW 8270C

SAMPLE NO. 836334 **SAMPLE DESCRIPTION** HEM078:SB20:S040060:572 **DATE/TIME TAKEN** 04/09/2003 10:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	51.1	mg/kg dw	<2.96		04/18/2003		2070	596	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	84.5	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	01:40		1914	tpw	DT	SW 6010B
Arsenic, GFAA	3.17	mg/kg dw	<0.195		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	308	mg/kg dw	<2.2		04/16/2003	01:40	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	238	mg/kg dw	<3.4		04/16/2003	01:40	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	4,260	mg/kg dw	<4.6		04/16/2003	01:40	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	7.5	mg/kg dw	<2.2		04/16/2003	01:40	1383	3950	tpw	DT	SW 6010B
Copper, ICP	2,730	mg/kg dw	<2.2		04/16/2003	01:40	1383	3881	tpw	DT	SW 6010B
Lead, ICP	1,120	mg/kg dw	<9.1		04/16/2003	01:40	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.167	mg/kg dw	<0.0095		04/18/2003	17:03	1035	1463	epk	DT	SW 7471A
Nickel, ICP	6,330	mg/kg dw	<1.1		04/16/2003	01:40	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<11	mg/kg dw	<11		04/16/2003	01:40	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<4.6	mg/kg dw	<4.6		04/16/2003	01:40	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	9,550	mg/kg dw	<5.7		04/16/2003	01:40	1383	3847	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 28 of 80

SAMPLE NO. 836334 **SAMPLE DESCRIPTION** HEM078:SB20:S040060:572 **DATE/TIME TAKEN** 04/09/2003 10:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:00	1035		mjs	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003					DT	
Acetone	323	ug/kg dw	<118		04/12/2003		2843		jxc	DT	SW 8260A
Benzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
tert-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
sec-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
n-Butylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Bromochloromethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Bromodichloromethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Bromoform	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Bromobenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
2-Butanone (MEK)	66.2	ug/kg dw	<59		04/12/2003		2843		jxc	DT	SW 8260A
Carbon disulfide	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Carbon tetrachloride	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Chlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Chloroethane	<11.8	ug/kg dw	<11.8		04/12/2003		2843		jxc	DT	SW 8260A
2-Chlorotoluene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
4-Chlorotoluene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Chloroform	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Chloromethane	<11.8	ug/kg dw	<11.8		04/12/2003		2843		jxc	DT	SW 8260A
Dibromochloromethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Dibromomethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
1,2-Dichlorobenzene	6.3	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
1,1-Dichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A
1,2-Dichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843		jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 29 of 80

SAMPLE NO. 836334 **SAMPLE DESCRIPTION** HEM078:SB20:S040060:572 **DATE/TIME TAKEN** 04/09/2003 10:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
1,1-Dichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<23.7	ug/kg dw	<23.7		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<59.2	ug/kg dw	<59.2		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<11.8	ug/kg dw	<11.8		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<11.8	ug/kg dw	<11.8		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<59.2	ug/kg dw	<59.2		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 30 of 80

SAMPLE NO. 836334 **SAMPLE DESCRIPTION** HEM078:SB20:S040060:572 **DATE/TIME TAKEN** 04/09/2003 10:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Vinyl Acetate	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<5.9	ug/kg dw	<5.9		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane(surr)	113	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane(surr)	106	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene(surr)	99	%	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene(surr)	98	%	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	219	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluoranthene	251	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<178	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	256	ug/kg dw	<178		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	66	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	59	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	72	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 31 of 80

SAMPLE NO. 836335 **SAMPLE DESCRIPTION** HEM078:SB21:S000020:572 **DATE/TIME TAKEN** 04/09/2003 11:20

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/18/2003		2071		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	54.7	mg/kg dw	<13.0		04/21/2003		2071	600	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	96.2	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	01:43		1914	tpw	DT	SW 6010B
Arsenic, GFAA	1.20	mg/kg dw	<0.173		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	6.4	mg/kg dw	<4.1		04/16/2003	01:43	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<6.0	mg/kg dw	<6.0		04/16/2003	01:43	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	55.3	mg/kg dw	<8.1		04/16/2003	01:43	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	<4.1	mg/kg dw	<4.1		04/16/2003	01:43	1383	3950	tpw	DT	SW 6010B
Copper, ICP	60.2	mg/kg dw	<4.1		04/16/2003	01:43	1383	3881	tpw	DT	SW 6010B
Lead, ICP	<17	mg/kg dw	<17		04/16/2003	01:43	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.009	mg/kg dw	<0.0083		04/18/2003	14:49	1033	1462	epk	DT	SW 7471A
Nickel, ICP	33.7	mg/kg dw	<2.1		04/16/2003	01:43	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<21	mg/kg dw	<21		04/16/2003	01:43	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<8.1	mg/kg dw	<8.1		04/16/2003	01:43	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	352	mg/kg dw	<10		04/16/2003	01:43	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											DT
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	<104	ug/kg dw	<104		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<52	ug/kg dw	<52		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.2	ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 32 of 80

SAMPLE NO. 836335 **SAMPLE DESCRIPTION** HEM078:SB21:S000020:572 **DATE/TIME TAKEN** 04/09/2003 11:20

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
2-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
4-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroform	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloromethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromochloromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromomethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	6.7	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<20.8	ug/kg dw	<20.8		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<52.0	ug/kg dw	<52.0		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 33 of 80

SAMPLE NO. 836335 **SAMPLE DESCRIPTION** HEM078:SB21:S000020:572 **DATE/TIME TAKEN** 04/09/2003 11:20

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<52.0	ug/kg dw	<52.0		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Acetate	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.1	ug/kg dw	<2.1		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	110	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	103	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene (surr)	100	%	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	98	%	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 34 of 80

SAMPLE NO. 836335 **SAMPLE DESCRIPTION** HEM078:SB21:S000020:572 **DATE/TIME TAKEN** 04/09/2003 11:20

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Fluoranthene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	91	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	94	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	94	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

SAMPLE NO. 836336 **SAMPLE DESCRIPTION** HEM078:SB22:S000020:572 **DATE/TIME TAKEN** 04/09/2003 12:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	501	mg/kg dw	<13.5		04/18/2003		2070	596	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	92.8	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	02:12		1914	tpw	DT	SW 6010B
Arsenic, GFAA	10.3	mg/kg dw	<0.897		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	226	mg/kg dw	<3.6		04/16/2003	02:12	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	8	mg/kg dw	<5.4		04/16/2003	02:12	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	134	mg/kg dw	<7.2		04/16/2003	02:12	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	<3.6	mg/kg dw	<3.6		04/16/2003	02:12	1383	3950	tpw	DT	SW 6010B
Copper, ICP	237	mg/kg dw	<3.6		04/16/2003	02:12	1383	3881	tpw	DT	SW 6010B
Lead, ICP	180	mg/kg dw	<14		04/16/2003	02:12	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.116	mg/kg dw	<0.0086		04/18/2003	14:54	1033	1462	epk	DT	SW 7471A
Nickel, ICP	53.2	mg/kg dw	<1.8		04/16/2003	02:12	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<18	mg/kg dw	<18		04/16/2003	02:12	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<7.2	mg/kg dw	<7.2		04/16/2003	02:12	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	772	mg/kg dw	<9.1		04/16/2003	02:12	1383	3847	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 35 of 80

SAMPLE NO. 836336 **SAMPLE DESCRIPTION** HEM078:SB22:S000020:572 **DATE/TIME TAKEN** 04/09/2003 12:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											DT
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	<108	ug/kg dw	<108		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<54	ug/kg dw	<54		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Carbon tetrachloride	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 36 of 80

SAMPLE NO. 836336 **SAMPLE DESCRIPTION** HEM078:SB22:S000020:572 **DATE/TIME TAKEN** 04/09/2003 12:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<21.6	ug/kg dw	<21.6		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<53.9	ug/kg dw	<53.9		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<10.8	ug/kg dw	<10.8		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<10.8	ug/kg dw	<10.8		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<53.9	ug/kg dw	<53.9		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	13.3	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	5.9	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 37 of 80

SAMPLE NO. 836336 **SAMPLE DESCRIPTION** HEM078:SB22:S000020:572 **DATE/TIME TAKEN** 04/09/2003 12:40

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Vinyl Acetate	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW	8260A
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/12/2003		2843	jxc	DT	SW	8260A
Xylenes, Total	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW	8260A
d4-1,2-Dichloroethane(surr)	111	%	80-120		04/12/2003		2843	jxc	DT	SW	8260A
Dibromofluoromethane(surr)	103	%	80-120		04/12/2003		2843	jxc	DT	SW	8260A
d8-Toluene(surr)	101	%	81-117		04/12/2003		2843	jxc	DT	SW	8260A
Bromofluorobenzene(surr)	97	%	74-121		04/12/2003		2843	jxc	DT	SW	8260A
PNA Non-Aq - 8270											DT
Acenaphthene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Acenaphthylene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Anthracene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(a)anthracene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(a)pyrene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(b)fluoranthene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(ghi)perylene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(k)fluoranthene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Chrysene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Dibenz(ah)anthracene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Fluoranthene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Fluorene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Naphthalene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Phenanthrene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Pyrene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	74	%	28-120		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	75	%	20-115		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	81	%	18-137		04/25/2003		1323	2214	jdm	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 38 of 80

SAMPLE NO. 836337 **SAMPLE DESCRIPTION** HEM078:SB23:S000020:572 **DATE/TIME TAKEN** 04/09/2003 12:55

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/18/2003		2071		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.399 mg/kg dw	<0.130		04/21/2003		2071	600	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	96.1 %	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/16/2003	19:43		1916	emd	DT	SW 6010B
Arsenic, GFAA	3.98 mg/kg dw	<0.855		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	13.1 mg/kg dw	<1.4		04/15/2003	23:18	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	7.0 mg/kg dw	<2.1		04/15/2003	23:18	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	21.5 mg/kg dw	<2.7		04/15/2003	23:18	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	2.8 mg/kg dw	<1.4		04/15/2003	23:18	1383	3950	tpw	DT	SW 6010B
Copper, ICP	84.9 mg/kg dw	<17		04/16/2003	19:43	1383	3883	emd	DT	SW 6010B
Lead, ICP	<5.4 mg/kg dw	<5.4		04/15/2003	23:18	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	<0.0083 mg/kg dw	<0.0083		04/18/2003	14:56	1033	1462	epk	DT	SW 7471A
Nickel, ICP	17.9 mg/kg dw	<0.68		04/15/2003	23:18	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<6.8 mg/kg dw	<6.8		04/15/2003	23:18	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<2.7 mg/kg dw	<2.7		04/15/2003	23:18	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	158 mg/kg dw	<3.4		04/15/2003	23:18	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										DT
8260 - SW846 (Non-aq)	Complete	Complete		04/12/2003			2843	jxc	DT	
Acetone	<104 ug/kg dw	<104		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<52 ug/kg dw	<52		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<5.2 ug/kg dw	<5.2		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 39 of 80

SAMPLE NO. 836337 **SAMPLE DESCRIPTION** HEM078:SB23:S000020:572 **DATE/TIME TAKEN** 04/09/2003 12:55

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Carbon tetrachloride	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
2-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
4-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloroform	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Chloromethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromochloromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromomethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<20.8	ug/kg dw	<20.8		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<52.0	ug/kg dw	<52.0		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<10.4	ug/kg dw	<10.4		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 40 of 80

SAMPLE NO. 836337 **SAMPLE DESCRIPTION** HEM078:SB23:S000020:572 **DATE/TIME TAKEN** 04/09/2003 12:55

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<52.0	ug/kg dw	<52.0		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Acetate	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.1	ug/kg dw	<2.1		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<5.2	ug/kg dw	<5.2		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	112	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	104	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene (surr)	101	‰	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	104	‰	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 41 of 80

SAMPLE NO. 836337 **SAMPLE DESCRIPTION** HEM078:SB23:S000020:572 **DATE/TIME TAKEN** 04/09/2003 12:55

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Fluoranthene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<156	ug/kg dw	<156		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	49	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	54	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	76	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

SAMPLE NO. 836338 **SAMPLE DESCRIPTION** HEM078:SB24:S020032:572 **DATE/TIME TAKEN** 04/09/2003 13:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.150	mg/kg dw	<0.150		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	83.2	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	19:46		1916	emd	DT	SW 6010B
Arsenic, GFAA	3.26	mg/kg dw	<0.968		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	87.4	mg/kg dw	<1.6		04/15/2003	23:21	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<2.3	mg/kg dw	<2.3		04/15/2003	23:21	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	20.8	mg/kg dw	<3.1		04/15/2003	23:21	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	7	mg/kg dw	<1.6		04/15/2003	23:21	1383	3950	tpw	DT	SW 6010B
Copper, ICP	25	mg/kg dw	<7.8		04/16/2003	19:46	1383	3883	emd	DT	SW 6010B
Lead, ICP	12	mg/kg dw	<6.2		04/15/2003	23:21	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.029	mg/kg dw	<0.0096		04/18/2003	14:58	1033	1462	epk	DT	SW 7471A
Nickel, ICP	21.0	mg/kg dw	<0.78		04/15/2003	23:21	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<7.8	mg/kg dw	<7.8		04/15/2003	23:21	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<3.1	mg/kg dw	<3.1		04/15/2003	23:21	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	31.0	mg/kg dw	<3.8		04/15/2003	23:21	1383	3847	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 42 of 80

SAMPLE NO. 836338 **SAMPLE DESCRIPTION** HEM078:SB24:S020032:572 **DATE/TIME TAKEN** 04/09/2003 13:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/12/2003			2843	jxc	DT	
Acetone	<120	ug/kg dw	<120		04/12/2003			2843	jxc	DT	SW 8260A
Benzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
tert-Butylbenzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
sec-Butylbenzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
n-Butylbenzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Bromochloromethane	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Bromodichloromethane	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Bromoform	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Bromobenzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
2-Butanone (MEK)	<60	ug/kg dw	<60		04/12/2003			2843	jxc	DT	SW 8260A
Carbon disulfide	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Carbon tetrachloride	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<12.0	ug/kg dw	<12.0		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<12.0	ug/kg dw	<12.0		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<6.0	ug/kg dw	<6.0		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation
Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 43 of 80

SAMPLE NO. 836338 **SAMPLE DESCRIPTION** HEM078:SB24:S020032:572 **DATE/TIME TAKEN** 04/09/2003 13:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloroethene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,3-Dichloropropane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
2,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,1-Dichloropropene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Ethylbenzene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Hexachlorobutadiene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
n-Hexane	<24.0	ug/kg dw	<24.0		04/12/2003		2843	jxc	DT	SW 8260A	
2-Hexanone	<60.1	ug/kg dw	<60.1		04/12/2003		2843	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
p-Isopropyltoluene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Bromomethane	<12.0	ug/kg dw	<12.0		04/12/2003		2843	jxc	DT	SW 8260A	
Methylene Chloride	<12.0	ug/kg dw	<12.0		04/12/2003		2843	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<60.1	ug/kg dw	<60.1		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	7.7	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 44 of 80

SAMPLE NO. 836338 **SAMPLE DESCRIPTION** HEM078:SB24:S020032:572 **DATE/TIME TAKEN** 04/09/2003 13:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Vinyl Acetate	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<6.0	ug/kg dw	<6.0		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	111	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	104	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene (surr)	102	%	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	100	%	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluoranthene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	62	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	49	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	78	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 45 of 80

SAMPLE NO. 836339 **SAMPLE DESCRIPTION** HEM078:SB25:S000020:572 **DATE/TIME TAKEN** 04/09/2003 13:25

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/18/2003		2071		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	135	mg/kg dw	<13.5	04/21/2003		2071	600	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	92.4	%	0.1	04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/16/2003	02:24		1914	tpw	DT	SW 6010B
Arsenic, GFAA	2.26	mg/kg dw	<0.871	04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	17	mg/kg dw	<3.6	04/16/2003	02:24	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	16	mg/kg dw	<5.4	04/16/2003	02:24	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	119	mg/kg dw	<7.1	04/16/2003	02:24	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	<3.6	mg/kg dw	<3.6	04/16/2003	02:24	1383	3950	tpw	DT	SW 6010B
Copper, ICP	60.4	mg/kg dw	<3.6	04/16/2003	02:24	1383	3881	tpw	DT	SW 6010B
Lead, ICP	19	mg/kg dw	<14	04/16/2003	02:24	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.016	mg/kg dw	<0.0087	04/18/2003	15:00	1033	1462	epk	DT	SW 7471A
Nickel, ICP	43.6	mg/kg dw	<1.8	04/16/2003	02:24	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<18	mg/kg dw	<18	04/16/2003	02:24	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<7.1	mg/kg dw	<7.1	04/16/2003	02:24	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	1,520	mg/kg dw	<9.0	04/16/2003	02:24	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										
8260 - SW846 (Non-aq)	Complete	Complete		04/12/2003		2843		jxc	DT	
Acetone	<108	ug/kg dw	<108	04/12/2003		2843		jxc	DT	SW 8260A
Benzene	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A
tert-Butylbenzene	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A
sec-Butylbenzene	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A
n-Butylbenzene	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A
Bromochloromethane	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A
Bromodichloromethane	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A
Bromoform	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A
Bromobenzene	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A
2-Butanone (MEK)	<54	ug/kg dw	<54	04/12/2003		2843		jxc	DT	SW 8260A
Carbon disulfide	<5.4	ug/kg dw	<5.4	04/12/2003		2843		jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 46 of 80

SAMPLE NO. 836339 **SAMPLE DESCRIPTION** HEM078:SB25:S000020:572 **DATE/TIME TAKEN** 04/09/2003 13:25

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Carbon tetrachloride	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloroethane	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
2-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
4-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloroform	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Chloromethane	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
Dibromochloromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Dibromomethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Ethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
n-Hexane	<21.6	ug/kg dw	<21.6		04/12/2003			2843	jxc	DT	SW 8260A
2-Hexanone	<54.1	ug/kg dw	<54.1		04/12/2003			2843	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A
Bromomethane	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
Methylene Chloride	<10.8	ug/kg dw	<10.8		04/12/2003			2843	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.4	ug/kg dw	<5.4		04/12/2003			2843	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 47 of 80

SAMPLE NO. 836339 **SAMPLE DESCRIPTION** HEM078:SB25:S000020:572 **DATE/TIME TAKEN** 04/09/2003 13:25

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
4-Methyl-2-pentanone (MIBK)	<54.1	ug/kg dw	<54.1		04/12/2003		2843	jxc	DT	SW 8260A	
n-Propylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Styrene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Naphthalene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Tetrachloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Toluene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Trichloroethene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Acetate	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/12/2003		2843	jxc	DT	SW 8260A	
Xylenes, Total	<5.4	ug/kg dw	<5.4		04/12/2003		2843	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane(surr)	112	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
Dibromofluoromethane(surr)	104	%	80-120		04/12/2003		2843	jxc	DT	SW 8260A	
d8-Toluene(surr)	102	%	81-117		04/12/2003		2843	jxc	DT	SW 8260A	
Bromofluorobenzene(surr)	97	%	74-121		04/12/2003		2843	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Acenaphthylene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Anthracene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(a)anthracene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(a)pyrene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(b)fluoranthene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(ghi)perylene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Benzo(k)fluoranthene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Chrysene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Dibenz(ah)anthracene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 48 of 80

SAMPLE NO. 836339 **SAMPLE DESCRIPTION** HEM078:SB25:S000020:572 **DATE/TIME TAKEN** 04/09/2003 13:25

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Fluorene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Naphthalene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Phenanthrene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Pyrene	<162	ug/kg dw	<162		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	80	%	28-120		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	77	%	20-115		04/25/2003		1323	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	80	%	18-137		04/25/2003		1323	2214	jdm	DT	SW 8270C

SAMPLE NO. 836340 **SAMPLE DESCRIPTION** HEM078:SB26:S020035:572 **DATE/TIME TAKEN** 04/09/2003 13:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.167	mg/kg dw	<0.145		04/18/2003		2070	596	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	86.2	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	19:50		1916	emd	DT	SW 6010B
Arsenic, GFAA	3.79	mg/kg dw	<0.965		04/22/2003		1231	851	lnh	DT	SW 7060A
Barium, ICP	39.9	mg/kg dw	<1.5		04/15/2003	23:27	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<2.3	mg/kg dw	<2.3		04/15/2003	23:27	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	11	mg/kg dw	<3.0		04/15/2003	23:27	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	4.6	mg/kg dw	<1.5		04/15/2003	23:27	1383	3950	tpw	DT	SW 6010B
Copper, ICP	5.1	mg/kg dw	<3.8		04/16/2003	19:50	1383	3883	emd	DT	SW 6010B
Lead, ICP	10	mg/kg dw	<6.0		04/15/2003	23:27	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.034	mg/kg dw	<0.0093		04/18/2003	15:02	1033	1462	epk	DT	SW 7471A
Nickel, ICP	9.0	mg/kg dw	<0.75		04/15/2003	23:27	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<7.5	mg/kg dw	<7.5		04/15/2003	23:27	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<3.0	mg/kg dw	<3.0		04/15/2003	23:27	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	27.1	mg/kg dw	<3.8		04/15/2003	23:27	1383	3847	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 49 of 80

SAMPLE NO. 836340 **SAMPLE DESCRIPTION** HEM078:SB26:S020035:572 **DATE/TIME TAKEN** 04/09/2003 13:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/14/2003			2846	jxc	DT	
Acetone	<116	ug/kg dw	<116		04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
tert-Butylbenzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
sec-Butylbenzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
n-Butylbenzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Bromochloromethane	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Bromodichloromethane	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Bromoform	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Bromobenzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
2-Butanone (MEK)	<58	ug/kg dw	<58		04/14/2003			2846	jxc	DT	SW 8260A
Carbon disulfide	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Carbon tetrachloride	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Chlorobenzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Chloroethane	<11.6	ug/kg dw	<11.6		04/14/2003			2846	jxc	DT	SW 8260A
2-Chlorotoluene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
4-Chlorotoluene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Chloroform	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Chloromethane	<11.6	ug/kg dw	<11.6		04/14/2003			2846	jxc	DT	SW 8260A
Dibromochloromethane	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Dibromomethane	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichloroethane	<5.8	ug/kg dw	<5.8		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 50 of 80

SAMPLE NO. 836340 **SAMPLE DESCRIPTION** HEM078:SB26:S020035:572 **DATE/TIME TAKEN** 04/09/2003 13:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,1-Dichloroethene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Ethylbenzene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
n-Hexane	<23.2	ug/kg dw	<23.2		04/14/2003		2846	jxc	DT	SW 8260A	
2-Hexanone	<58.0	ug/kg dw	<58.0		04/14/2003		2846	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Bromomethane	<11.6	ug/kg dw	<11.6		04/14/2003		2846	jxc	DT	SW 8260A	
Methylene Chloride	<11.6	ug/kg dw	<11.6		04/14/2003		2846	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<58.0	ug/kg dw	<58.0		04/14/2003		2846	jxc	DT	SW 8260A	
n-Propylbenzene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Styrene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Naphthalene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Tetrachloroethene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Toluene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Trichloroethene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 51 of 80

SAMPLE NO. 836340 **SAMPLE DESCRIPTION** HEM078:SB26:S020035:572 **DATE/TIME TAKEN** 04/09/2003 13:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Vinyl Acetate	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
Vinyl Chloride	<2.3	ug/kg dw	<2.3		04/14/2003		2846	jxc	DT	SW 8260A	
Xylenes, Total	<5.8	ug/kg dw	<5.8		04/14/2003		2846	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	102	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	105	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
d8-Toluene (surr)	98	%	81-117		04/14/2003		2846	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	95	%	74-121		04/14/2003		2846	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluoranthene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<174	ug/kg dw	<174		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	76	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	70	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	81	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 52 of 80

SAMPLE NO. 836341 **SAMPLE DESCRIPTION** HEM078:SB27:S020030:572 **DATE/TIME TAKEN** 04/09/2003 13:55

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.150	mg/kg dw	<0.150		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	83.2	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	20:12		1916	emd	DT	SW 6010B
Arsenic, GFAA	5.08	mg/kg dw	<0.995		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	82.0	mg/kg dw	<1.6		04/15/2003	23:30	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<2.3	mg/kg dw	<2.3		04/15/2003	23:30	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	13.5	mg/kg dw	<3.0		04/15/2003	23:30	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	7.1	mg/kg dw	<1.6		04/15/2003	23:30	1383	3950	tpw	DT	SW 6010B
Copper, ICP	11	mg/kg dw	<7.7		04/16/2003	20:12	1383	3883	emd	DT	SW 6010B
Lead, ICP	9.7	mg/kg dw	<6.1		04/15/2003	23:30	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.028	mg/kg dw	<0.0096		04/18/2003	15:04	1033	1462	epk	DT	SW 7471A
Nickel, ICP	22.7	mg/kg dw	<0.77		04/15/2003	23:30	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<7.7	mg/kg dw	<7.7		04/15/2003	23:30	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<3.0	mg/kg dw	<3.0		04/15/2003	23:30	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	40.1	mg/kg dw	<3.8		04/15/2003	23:30	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										DT	
8260 - SW846 (Non-aq)	Complete		Complete		04/14/2003			2846	jxc	DT	
Acetone	<120	ug/kg dw	<120		04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
tert-Butylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
sec-Butylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
n-Butylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromochloromethane	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromodichloromethane	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromoform	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromobenzene	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
2-Butanone (MEK)	<60	ug/kg dw	<60		04/14/2003			2846	jxc	DT	SW 8260A
Carbon disulfide	<6.0	ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 53 of 80

SAMPLE NO. 836341 **SAMPLE DESCRIPTION** HEM078:SB27:S020030:572 **DATE/TIME TAKEN** 04/09/2003 13:55

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Chlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Chloroethane	<12.0	ug/kg dw	<12.0		04/14/2003		2846	jxc	DT	SW 8260A	
2-Chlorotoluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
4-Chlorotoluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Chloroform	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Chloromethane	<12.0	ug/kg dw	<12.0		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromochloromethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromomethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,3-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
2,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Ethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Hexachlorobutadiene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
n-Hexane	<24.0	ug/kg dw	<24.0		04/14/2003		2846	jxc	DT	SW 8260A	
2-Hexanone	<60.1	ug/kg dw	<60.1		04/14/2003		2846	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
p-Isopropyltoluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Bromomethane	<12.0	ug/kg dw	<12.0		04/14/2003		2846	jxc	DT	SW 8260A	
Methylene Chloride	<12.0	ug/kg dw	<12.0		04/14/2003		2846	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 54 of 80

SAMPLE NO. 836341 **SAMPLE DESCRIPTION** HEM078:SB27:S020030:572 **DATE/TIME TAKEN** 04/09/2003 13:55

	Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
4-Methyl-2-pentanone (MIBK)	<60.1	ug/kg dw	<60.1		04/14/2003		2846	jxc	DT	SW 8260A	
n-Propylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Styrene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Naphthalene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Tetrachloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Toluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Trichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Trichlorofluoromethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Vinyl Acetate	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/14/2003		2846	jxc	DT	SW 8260A	
Xylenes, Total	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	93	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	94	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
d8-Toluene (surr)	101	%	81-117		04/14/2003		2846	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	99	%	74-121		04/14/2003		2846	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 55 of 80

SAMPLE NO. 836341 **SAMPLE DESCRIPTION** HEM078:SB27:S020030:572 **DATE/TIME TAKEN** 04/09/2003 13:55

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<180	ug/kg dw	<180		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	67	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	54	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	79	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

SAMPLE NO. 836342 **SAMPLE DESCRIPTION** HEM078:SB28:S020030:572 **DATE/TIME TAKEN** 04/09/2003 13:55

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.152	mg/kg dw	<0.152		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	82.5	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/15/2003	02:27		1914	tpw	DT	SW 6010B
Arsenic, GFAA	6.10	mg/kg dw	<0.996		04/21/2003		1231	850	lnh	DT	SW 7060A
Barium, ICP	93	mg/kg dw	<1.6		04/15/2003	23:34	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<2.3	mg/kg dw	<2.3		04/15/2003	23:34	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	19.8	mg/kg dw	<3.2		04/15/2003	23:34	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	9.8	mg/kg dw	<1.6		04/15/2003	23:34	1383	3950	tpw	DT	SW 6010B
Copper, ICP	20.1	mg/kg dw	<2.33		04/15/2003	02:27	1383	3881	tpw	DT	SW 6010B
Lead, ICP	16.5	mg/kg dw	<9.3		04/16/2003	02:27	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.029	mg/kg dw	<0.0097		04/18/2003	15:06	1033	1462	epk	DT	SW 7471A
Nickel, ICP	21.2	mg/kg dw	<0.78		04/15/2003	23:34	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<7.8	mg/kg dw	<7.8		04/15/2003	23:34	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<3.2	mg/kg dw	<3.2		04/15/2003	23:34	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	46.2	mg/kg dw	<3.9		04/15/2003	23:34	1383	3847	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 56 of 80

SAMPLE NO. 836342 **SAMPLE DESCRIPTION** HEM078:SB28:S020030:572 **DATE/TIME TAKEN** 04/09/2003 13:55

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/14/2003			2846	jxc	DT	
Acetone	<121	ug/kg dw	<121		04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
tert-Butylbenzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
sec-Butylbenzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
n-Butylbenzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Bromochloromethane	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Bromodichloromethane	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Bromoform	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Bromobenzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
2-Butanone (MEK)	<61	ug/kg dw	<61		04/14/2003			2846	jxc	DT	SW 8260A
Carbon disulfide	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Carbon tetrachloride	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Chlorobenzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Chloroethane	<12.1	ug/kg dw	<12.1		04/14/2003			2846	jxc	DT	SW 8260A
2-Chlorotoluene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
4-Chlorotoluene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Chloroform	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Chloromethane	<12.1	ug/kg dw	<12.1		04/14/2003			2846	jxc	DT	SW 8260A
Dibromochloromethane	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Dibromomethane	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
Dichlorodifluoromethane	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
1,1-Dichloroethane	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichloroethane	<6.1	ug/kg dw	<6.1		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 57 of 80

SAMPLE NO. 836342 **SAMPLE DESCRIPTION** HEM078:SB28:S020030:572 **DATE/TIME TAKEN** 04/09/2003 13:55

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
1,1-Dichloroethene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
cis-1,2-Dichloroethene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
trans-1,2-Dichloroethene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,2-Dichloropropane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,3-Dichloropropane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
2,2-Dichloropropane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,1-Dichloropropene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
cis-1,3-Dichloropropene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
trans-1,3-Dichloropropene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Ethylbenzene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Hexachlorobutadiene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
n-Hexane	<24.2	ug/kg dw	<24.2		04/14/2003		2846	jxc	DT	SW	8260A
2-Hexanone	<60.6	ug/kg dw	<60.6		04/14/2003		2846	jxc	DT	SW	8260A
Isopropylbenzene (Cumene)	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
p-Isopropyltoluene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Bromomethane	<12.1	ug/kg dw	<12.1		04/14/2003		2846	jxc	DT	SW	8260A
Methylene Chloride	<12.1	ug/kg dw	<12.1		04/14/2003		2846	jxc	DT	SW	8260A
Methyl t-butyl ether (MTBE)	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
4-Methyl-2-pentanone (MIBK)	<60.6	ug/kg dw	<60.6		04/14/2003		2846	jxc	DT	SW	8260A
n-Propylbenzene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Styrene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Naphthalene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,1,1,2-Tetrachloroethane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,1,2,2-Tetrachloroethane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Tetrachloroethene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Toluene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,2,4-Trichlorobenzene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,1,1-Trichloroethane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,1,2-Trichloroethane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Trichloroethene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
Trichlorofluoromethane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,2,3-Trichloropropane	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,2,4-Trimethylbenzene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A
1,3,5-Trimethylbenzene	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW	8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 58 of 80

SAMPLE NO. 836342 **SAMPLE DESCRIPTION** HEM078:SB28:S020030:572 **DATE/TIME TAKEN** 04/09/2003 13:55

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Vinyl Acetate	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW 8260A	
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/14/2003		2846	jxc	DT	SW 8260A	
Xylenes, Total	<6.1	ug/kg dw	<6.1		04/14/2003		2846	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	99	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	96	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
d8-Toluene (surr)	101	%	81-117		04/14/2003		2846	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	99	%	74-121		04/14/2003		2846	jxc	DT	SW 8260A	
PNA Non-Aq - 8270										DT	
Acenaphthene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Acenaphthylene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Anthracene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(a)anthracene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(a)pyrene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(b)fluoranthene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(ghi)perylene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Benzo(k)fluoranthene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Chrysene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Dibenz(ah)anthracene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Fluoranthene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Fluorene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Indeno(1,2,3-cd)pyrene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Naphthalene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Phenanthrene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Pyrene	<182	ug/kg dw	<182		04/24/2003		1323	2211	jcs	DT SW 8270C	
Surrogate: d5-Nitrobenzene	66	%	28-120		04/24/2003		1323	2211	jcs	DT SW 8270C	
Surrogate: 2-Fluorobiphenyl	52	%	20-115		04/24/2003		1323	2211	jcs	DT SW 8270C	
Surrogate: di4-Terphenyl	81	%	18-137		04/24/2003		1323	2211	jcs	DT SW 8270C	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07427
Report Date: 04/29/2003
Page: 59 of 80

SAMPLE NO. 836343 **SAMPLE DESCRIPTION** HEM078:SB29:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:10

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.149 mg/kg dw	<0.149		04/18/2003		2070	596	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	84.0 %	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/16/2003	20:15		1916	emd	DT	SW 6010B
Arsenic, GFAA	4.57 mg/kg dw	<0.946		04/22/2003		1231	851	lnh	DT	SW 7060A
Barium, ICP	75.7 mg/kg dw	<1.5		04/15/2003	23:37	1383	3863	tpw	DT	SW 6010B
Cadmium, ICP	<2.4 mg/kg dw	<2.4		04/15/2003	23:37	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	14.9 mg/kg dw	<3.2		04/15/2003	23:37	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	9.2 mg/kg dw	<1.5		04/15/2003	23:37	1383	3950	tpw	DT	SW 6010B
Copper, ICP	14 mg/kg dw	<8.0		04/16/2003	20:15	1383	3883	emd	DT	SW 6010B
Lead, ICP	9.8 mg/kg dw	<6.3		04/15/2003	23:37	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	0.036 mg/kg dw	<0.0095		04/18/2003	15:11	1033	1462	epk	DT	SW 7471A
Nickel, ICP	27.4 mg/kg dw	<0.80		04/15/2003	23:37	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<8.0 mg/kg dw	<8.0		04/15/2003	23:37	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<3.2 mg/kg dw	<3.2		04/15/2003	23:37	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	42.9 mg/kg dw	<3.9		04/15/2003	23:37	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										DT
8260 - SW846 (Non-aq)	Complete	Complete		04/14/2003			2846	jxc	DT	
Acetone	<119 ug/kg dw	<119		04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
tert-Butylbenzene	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
sec-Butylbenzene	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
n-Butylbenzene	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromochloromethane	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromodichloromethane	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromoform	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Bromobenzene	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
2-Butanone (MEK)	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A
Carbon disulfide	<6.0 ug/kg dw	<6.0		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 60 of 80

SAMPLE NO. 836343 **SAMPLE DESCRIPTION** HEM078:SB29:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Carbon tetrachloride	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Chlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Chloroethane	<11.9	ug/kg dw	<11.9		04/14/2003		2846	jxc	DT	SW 8260A	
2-Chlorotoluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
4-Chlorotoluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Chloroform	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Chloromethane	<11.9	ug/kg dw	<11.9		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromochloromethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromomethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,3-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
2,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
1,1-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Ethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Hexachlorobutadiene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
n-Hexane	<23.8	ug/kg dw	<23.8		04/14/2003		2846	jxc	DT	SW 8260A	
2-Hexanone	<59.5	ug/kg dw	<59.5		04/14/2003		2846	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
p-Isopropyltoluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	
Bromomethane	<11.9	ug/kg dw	<11.9		04/14/2003		2846	jxc	DT	SW 8260A	
Methylene Chloride	<11.9	ug/kg dw	<11.9		04/14/2003		2846	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 61 of 80

SAMPLE NO. 836343 **SAMPLE DESCRIPTION** HEM078:SB29:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
4-Methyl-2-pentanone (MIBK)	<59.5	ug/kg dw	<59.5		04/14/2003		2846	jxc	DT	SW	8260A
n-Propylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
Styrene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
Naphthalene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
1,1,1,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
1,1,2,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
Tetrachloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
Toluene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
1,2,4-Trichlorobenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
1,1,1-Trichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
1,1,2-Trichloroethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
Trichloroethene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
Trichlorofluoromethane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
1,2,3-Trichloropropane	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
1,2,4-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
1,3,5-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
Vinyl Acetate	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/14/2003		2846	jxc	DT	SW	8260A
Xylenes, Total	<6.0	ug/kg dw	<6.0		04/14/2003		2846	jxc	DT	SW	8260A
d4-1,2-Dichloroethane (surr)	98	%	80-120		04/14/2003		2846	jxc	DT	SW	8260A
Dibromofluoromethane (surr)	97	%	80-120		04/14/2003		2846	jxc	DT	SW	8260A
d8-Toluene (surr)	103	%	81-117		04/14/2003		2846	jxc	DT	SW	8260A
Bromofluorobenzene (surr)	98	%	74-121		04/14/2003		2846	jxc	DT	SW	8260A
PNA Non-Aq - 8270											DT
Acenaphthene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Acenaphthylene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Anthracene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)anthracene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(a)pyrene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(b)fluoranthene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(ghi)perylene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Chrysene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 62 of 80

SAMPLE NO. 836343 **SAMPLE DESCRIPTION** HEM078:SB29:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Fluorene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Naphthalene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Phenanthrene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Pyrene	<179	ug/kg dw	<179		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	60	%	28-120		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	46	%	20-115		04/24/2003		1323	2211	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	75	%	18-137		04/24/2003		1323	2211	jcs	DT	SW 8270C

SAMPLE NO. 836344 **SAMPLE DESCRIPTION** HEM078:SB30:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:35

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	32.7	mg/kg dw	<5.92	L	04/18/2003		2070	596	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	84.4	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	14:00		1915	emd	DT	SW 6010B
Arsenic, GFAA	7.89	mg/kg dw	<0.969		04/22/2003		1231	851	lnh	DT	SW 7060A
Barium, ICP	69.0	mg/kg dw	<1.5		04/16/2003	10:40	1384	3864	emd	DT	SW 6010B
Cadmium, ICP	22.7	mg/kg dw	<2.3		04/16/2003	10:40	1384	3846	emd	DT	SW 6010B
Chromium, ICP	180	mg/kg dw	<3.1		04/16/2003	10:40	1384	3834	emd	DT	SW 6010B
Cobalt, ICP	4.0	mg/kg dw	<1.5		04/16/2003	14:00	1384	3951	emd	DT	SW 6010B
Copper, ICP	249	mg/kg dw	<1.5		04/16/2003	10:40	1384	3882	emd	DT	SW 6010B
Lead, ICP	136	mg/kg dw	<6.2		04/16/2003	10:40	1384	3837	emd	DT	SW 6010B
Mercury, CVAA	0.070	mg/kg dw	<0.0095		04/18/2003	15:13	1033	1462	epk	DT	SW 7471A
Nickel, ICP	225	mg/kg dw	<0.77		04/16/2003	10:40	1384	3859	emd	DT	SW 6010B
Selenium, ICP	<7.7	mg/kg dw	<7.7		04/16/2003	10:40	1384	3913	emd	DT	SW 6010B
Silver, ICP	<3.1	mg/kg dw	<3.1		04/16/2003	10:40	1384	3865	emd	DT	SW 6010B
Zinc, ICP	437	mg/kg dw	<3.8		04/16/2003	10:40	1384	3848	emd	DT	SW 6010B

L - Spike concentration is less than 1/4 analyte concentration.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 63 of 80

SAMPLE NO. 836344 **SAMPLE DESCRIPTION** HEM078:SB30:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:35

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003		1384		mja	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, PCBs Non-Aq 8082	COMPLETE		Complete		04/17/2003		433		310	DT	
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/15/2003		1323		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/14/2003			2846	jxc	DT	
Acetone	<118	ug/kg dw	<118		04/14/2003			2846	jxc	DT	SW 8260A
Benzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
tert-Butylbenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
sec-Butylbenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
n-Butylbenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Bromochloromethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Bromodichloromethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Bromoform	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Bromobenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
2-Butanone (MEK)	<59	ug/kg dw	<59		04/14/2003			2846	jxc	DT	SW 8260A
Carbon disulfide	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Carbon tetrachloride	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Chlorobenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Chloroethane	<11.8	ug/kg dw	<11.8		04/14/2003			2846	jxc	DT	SW 8260A
2-Chlorotoluene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
4-Chlorotoluene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Chloroform	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Chloromethane	<11.8	ug/kg dw	<11.8		04/14/2003			2846	jxc	DT	SW 8260A
Dibromochloromethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Dibromomethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Dichlorodifluoromethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,1-Dichloroethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 64 of 80

SAMPLE NO. 836344 **SAMPLE DESCRIPTION** HEM078:SB30:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:35

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
1,2-Dichloroethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,1-Dichloroethene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,2-Dichloropropane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,3-Dichloropropane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
2,2-Dichloropropane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,1-Dichloropropene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
cis-1,3-Dichloropropene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
trans-1,3-Dichloropropene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Ethylbenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Hexachlorobutadiene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
n-Hexane	<23.7	ug/kg dw	<23.7		04/14/2003			2846	jxc	DT	SW 8260A
2-Hexanone	<59.2	ug/kg dw	<59.2		04/14/2003			2846	jxc	DT	SW 8260A
Isopropylbenzene (Cumene)	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
p-Isopropyltoluene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Bromomethane	<11.8	ug/kg dw	<11.8		04/14/2003			2846	jxc	DT	SW 8260A
Methylene Chloride	<11.8	ug/kg dw	<11.8		04/14/2003			2846	jxc	DT	SW 8260A
Methyl t-butyl ether (MTBE)	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
4-Methyl-2-pentanone (MIBK)	<59.2	ug/kg dw	<59.2		04/14/2003			2846	jxc	DT	SW 8260A
n-Propylbenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Styrene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Naphthalene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,1,1,2-Tetrachloroethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,1,1,2,2-Tetrachloroethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Tetrachloroethene	12.8	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Toluene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,2,4-Trichlorobenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,1,1-Trichloroethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,1,2-Trichloroethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Trichloroethene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
Trichlorofluoromethane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,2,3-Trichloropropane	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A
1,2,4-Trimethylbenzene	<5.9	ug/kg dw	<5.9		04/14/2003			2846	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 65 of 80

SAMPLE NO. 836344 **SAMPLE DESCRIPTION** HEM078:SB30:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:35

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
1,3,5-Trimethylbenzene	<5.9	ug/kg dw	<5.9		04/14/2003		2846	jxc	DT	SW 8260A	
Vinyl Acetate	<5.9	ug/kg dw	<5.9		04/14/2003		2846	jxc	DT	SW 8260A	
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/14/2003		2846	jxc	DT	SW 8260A	
Xylenes, Total	<5.9	ug/kg dw	<5.9		04/14/2003		2846	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	99	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	98	%	80-120		04/14/2003		2846	jxc	DT	SW 8260A	
d8-Toluene (surr)	105	%	81-117		04/14/2003		2846	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	111	%	74-121		04/14/2003		2846	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<178	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Acenaphthylene	<178	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Anthracene	<178	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Benzo(a)anthracene	181	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Benzo(a)pyrene	184	ug/kg dw	<178	VJ	04/28/2003		1323	2212	jcs	DT	SW 8270C
Benzo(b)fluoranthene	312	ug/kg dw	<178	VJ	04/28/2003		1323	2212	jcs	DT	SW 8270C
Benzo(ghi)perylene	<178	ug/kg dw	<178	V	04/28/2003		1323	2212	jcs	DT	SW 8270C
Benzo(k)fluoranthene	<178	ug/kg dw	<178	V	04/28/2003		1323	2212	jcs	DT	SW 8270C
Chrysene	192	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Dibenz(ah)anthracene	<178	ug/kg dw	<178	V	04/28/2003		1323	2212	jcs	DT	SW 8270C
Fluoranthene	379	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Fluorene	<178	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<178	ug/kg dw	<178	V	04/28/2003		1323	2212	jcs	DT	SW 8270C
Naphthalene	<178	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Phenanthrene	416	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Pyrene	751	ug/kg dw	<178		04/28/2003		1323	2212	jcs	DT	SW 8270C
Surrogate: d5-Nitrobenzene	66	%	28-120		04/28/2003		1323	2212	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	61	%	20-115		04/28/2003		1323	2212	jcs	DT	SW 8270C
Surrogate: d14-Terphenyl	116	%	18-137		04/28/2003		1323	2212	jcs	DT	SW 8270C
PCB's M 8082, Non-Aq									310	DT	
Aroclor 1016	<0.0197	mg/kg dw	<0.0197		04/18/2003	12:47	433	645	310	DT	SW 8082
Aroclor 1221	<0.0395	mg/kg dw	<0.0395		04/18/2003	12:47	433	645	310	DT	SW 8082
Aroclor 1232	<0.0197	mg/kg dw	<0.0197		04/18/2003	12:47	433	645	310	DT	SW 8082
Aroclor 1242	<0.0197	mg/kg dw	<0.0197		04/18/2003	12:47	433	645	310	DT	SW 8082
Aroclor 1248	<0.0197	mg/kg dw	<0.0197		04/18/2003	12:47	433	645	310	DT	SW 8082

J - Reported value is estimated.

V - Internal Standard is outside of control limits.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 66 of 80

SAMPLE NO. 836344 **SAMPLE DESCRIPTION** HEM078:SB30:S020030:572 **DATE/TIME TAKEN** 04/09/2003 14:35

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Aroclor 1254	0.0825	mg/kg dw	<0.0197		04/18/2003 12:47	433	645	310	DT	SW 8082
Aroclor 1260	<0.0197	mg/kg dw	<0.0197		04/18/2003 12:47	433	645	310	DT	SW 8082
Surrogate: DCB	111	%			04/18/2003 12:47	433	645	310	DT	SW 8082

SAMPLE NO. 836345 **SAMPLE DESCRIPTION** HEM078:SB31:S010020:572 **DATE/TIME TAKEN** 04/09/2003 14:55

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/18/2003		2071		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	2.90	mg/kg dw	<0.150	04/21/2003		2071	600	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	83.5	%	0.1	04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/16/2003	10:43		1915	emd	DT	SW 6010B
Arsenic, GFAA	4.90	mg/kg dw	<0.980	04/22/2003		1231	851	lnh	DT	SW 7060A
Barium, ICP	74.0	mg/kg dw	<1.6	04/16/2003	10:43	1384	3864	emd	DT	SW 6010B
Cadmium, ICP	6.2	mg/kg dw	<2.4	04/16/2003	10:43	1384	3846	emd	DT	SW 6010B
Chromium, ICP	202	mg/kg dw	<3.1	04/16/2003	10:43	1384	3834	emd	DT	SW 6010B
Cobalt, ICP	5.0	mg/kg dw	<1.6	04/16/2003	10:43	1384	3951	emd	DT	SW 6010B
Copper, ICP	89.6	mg/kg dw	<1.6	04/16/2003	10:43	1384	3882	emd	DT	SW 6010B
Lead, ICP	51.7	mg/kg dw	<6.3	04/16/2003	10:43	1384	3837	emd	DT	SW 6010B
Mercury, CVAA	0.086	mg/kg dw	<0.0096	04/18/2003	15:15	1033	1462	epk	DT	SW 7471A
Nickel, ICP	109	mg/kg dw	<0.79	04/16/2003	10:43	1384	3859	emd	DT	SW 6010B
Selenium, ICP	<7.9	mg/kg dw	<7.9	04/16/2003	10:43	1384	3913	emd	DT	SW 6010B
Silver, ICP	<3.1	mg/kg dw	<3.1	04/16/2003	10:43	1384	3865	emd	DT	SW 6010B
Zinc, ICP	380	mg/kg dw	<4.0	04/16/2003	10:43	1384	3848	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003		1384		mja	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, PCBs Non-Aq 8082	COMPLETE	Complete		04/17/2003		433		310	DT	
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/18/2003		1325		mhg	DT	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 67 of 80

SAMPLE NO. 836345 **SAMPLE DESCRIPTION** HEM078:SB31:S010020:572 **DATE/TIME TAKEN** 04/09/2003 14:55

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS-8260 Non-Aq										
8260 - SW846 (Non-aq)	Complete	Complete		04/15/2003			2850	jxc	DT	
Acetone	<120	ug/kg dw <120		04/15/2003			2850	jxc	DT	SW 8260A
Benzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
tert-Butylbenzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
sec-Butylbenzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
n-Butylbenzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Bromochloromethane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Bromodichloromethane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Bromoform	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Bromobenzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
2-Butanone (MEK)	<60	ug/kg dw <60		04/15/2003			2850	jxc	DT	SW 8260A
Carbon disulfide	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Carbon tetrachloride	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Chlorobenzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Chloroethane	<12.0	ug/kg dw <12.0		04/15/2003			2850	jxc	DT	SW 8260A
2-Chlorotoluene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
4-Chlorotoluene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Chloroform	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Chloromethane	<12.0	ug/kg dw <12.0		04/15/2003			2850	jxc	DT	SW 8260A
Dibromochloromethane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Dibromomethane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
Dichlorodifluoromethane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,2-Dibromo-3-chloropropane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,2-Dichlorobenzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,3-Dichlorobenzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,4-Dichlorobenzene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,1-Dichloroethane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,2-Dichloroethane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,1-Dichloroethene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
cis-1,2-Dichloroethene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
trans-1,2-Dichloroethene	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,2-Dichloropropane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A
1,3-Dichloropropane	<6.0	ug/kg dw <6.0		04/15/2003			2850	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 68 of 80

SAMPLE NO. 836345 **SAMPLE DESCRIPTION** HEM078:SB31:S010020:572 **DATE/TIME TAKEN** 04/09/2003 14:55

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
2,2-Dichloropropane	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,1-Dichloropropene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Ethylbenzene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Hexachlorobutadiene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
n-Hexane	<24.0	ug/kg dw	<24.0		04/15/2003		2850	jxc	DT	SW 8260A	
2-Hexanone	<59.9	ug/kg dw	<59.9		04/15/2003		2850	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
p-Isopropyltoluene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Bromomethane	<12.0	ug/kg dw	<12.0		04/15/2003		2850	jxc	DT	SW 8260A	
Methylene Chloride	<12.0	ug/kg dw	<12.0		04/15/2003		2850	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<59.9	ug/kg dw	<59.9		04/15/2003		2850	jxc	DT	SW 8260A	
n-Propylbenzene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Styrene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Naphthalene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Tetrachloroethene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Toluene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Trichloroethene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Trichlorofluoromethane	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Vinyl Acetate	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
Vinyl Chloride	<2.4	ug/kg dw	<2.4		04/15/2003		2850	jxc	DT	SW 8260A	
Xylenes, Total	<6.0	ug/kg dw	<6.0		04/15/2003		2850	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	103	µg	80-120		04/15/2003		2850	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	100	µg	80-120		04/15/2003		2850	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 69 of 80

SAMPLE NO. 836345 **SAMPLE DESCRIPTION** HEM078:SB31:S010020:572 **DATE/TIME TAKEN** 04/09/2003 14:55

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
d8-Toluene (surr)	98	%	81-117		04/15/2003		2850	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	98	%	74-121		04/15/2003		2850	jxc	DT	SW 8260A	
PNA Non-Aq - 8270										DT	
Acenaphthene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Acenaphthylene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Anthracene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(a)anthracene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(a)pyrene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(b)fluoranthene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(ghi)perylene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(k)fluoranthene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Chrysene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Dibenz(ah)anthracene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Fluoranthene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Fluorene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Naphthalene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Phenanthrene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Pyrene	<180	ug/kg dw	<180		04/25/2003		1325	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	78	%	28-120		04/25/2003		1325	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	76	%	20-115		04/25/2003		1325	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	81	%	18-137		04/25/2003		1325	2214	jdm	DT	SW 8270C
PCB's M 8082, Non-Aq										310	DT
Aroclor 1016	<0.0199	mg/kg dw	<0.0199		04/18/2003	13:10	433	645	310	DT	SW 8082
Aroclor 1221	<0.0399	mg/kg dw	<0.0399		04/18/2003	13:10	433	645	310	DT	SW 8082
Aroclor 1232	<0.0199	mg/kg dw	<0.0199		04/18/2003	13:10	433	645	310	DT	SW 8082
Aroclor 1242	<0.0199	mg/kg dw	<0.0199		04/18/2003	13:10	433	645	310	DT	SW 8082
Aroclor 1248	<0.0199	mg/kg dw	<0.0199		04/18/2003	13:10	433	645	310	DT	SW 8082
Aroclor 1254	0.0255	mg/kg dw	<0.0199		04/18/2003	13:10	433	645	310	DT	SW 8082
Aroclor 1260	<0.0199	mg/kg dw	<0.0199		04/18/2003	13:10	433	645	310	DT	SW 8082
Surrogate: DCB	104	%			04/18/2003	13:10	433	645	310	DT	SW 8082

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 70 of 80

SAMPLE NO. 836346 **SAMPLE DESCRIPTION** HEM078:SB32:S020030:572 **DATE/TIME TAKEN** 04/09/2003 15:10

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/22/2003		2076		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	2.39 mg/kg dw	<0.130	*	04/22/2003		2076	601	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	95.8 %	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete	Complete		04/17/2003	12:49		1918	emd	DT	SW 6010B
Arsenic, GFAA	0.778 mg/kg dw	<0.18		04/25/2003		1235	853	lnh	DT	SW 7060A
Barium, ICP	7.4 mg/kg dw	<6.7		04/17/2003	12:49	1384	3868	emd	DT	SW 6010B
Cadmium, ICP	<10 mg/kg dw	<10		04/17/2003	12:49	1384	3850	emd	DT	SW 6010B
Chromium, ICP	15 mg/kg dw	<14		04/17/2003	12:49	1384	3838	emd	DT	SW 6010B
Cobalt, ICP	<6.7 mg/kg dw	<6.7		04/17/2003	12:49	1384	3955	emd	DT	SW 6010B
Copper, ICP	14 mg/kg dw	<6.7		04/17/2003	12:49	1384	3886	emd	DT	SW 6010B
Lead, ICP	<27 mg/kg dw	<27		04/17/2003	12:49	1384	3841	emd	DT	SW 6010B
Mercury, CVAA	0.018 mg/kg dw	<0.0084		04/18/2003	15:17	1033	1462	epk	DT	SW 7471A
Nickel, ICP	9.1 mg/kg dw	<3.3		04/17/2003	12:49	1384	3863	emd	DT	SW 6010B
Selenium, ICP	<33 mg/kg dw	<33		04/17/2003	12:49	1384	3917	emd	DT	SW 6010B
Silver, ICP	<14 mg/kg dw	<14		04/17/2003	12:49	1384	3869	emd	DT	SW 6010B
Zinc, ICP	88 mg/kg dw	<17		04/17/2003	12:49	1384	3852	emd	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete	Complete		04/15/2003		1384		mja	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete	Complete		04/18/2003	08:15	1235		mjs	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete	Complete		04/17/2003	15:30	1033		jlr	DT	SW 7471A
Prep, PCBs Non-Aq 8082	COMPLETE	Complete		04/17/2003		433		310	DT	
Prep, 8270 PNA Non-Aq	SW 3545	Complete		04/18/2003		1325		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq										
8260 - SW846 (Non-aq)	Complete	Complete		04/15/2003			2850	jxc	DT	
Acetone	<104 ug/kg dw	<104		04/15/2003			2850	jxc	DT	SW 8260A
Benzene	<5.2 ug/kg dw	<5.2		04/15/2003			2850	jxc	DT	SW 8260A
tert-Butylbenzene	<5.2 ug/kg dw	<5.2		04/15/2003			2850	jxc	DT	SW 8260A
sec-Butylbenzene	<5.2 ug/kg dw	<5.2		04/15/2003			2850	jxc	DT	SW 8260A
n-Butylbenzene	<5.2 ug/kg dw	<5.2		04/15/2003			2850	jxc	DT	SW 8260A
Bromochloromethane	<5.2 ug/kg dw	<5.2		04/15/2003			2850	jxc	DT	SW 8260A
Bromodichloromethane	<5.2 ug/kg dw	<5.2		04/15/2003			2850	jxc	DT	SW 8260A
Bromoform	<5.2 ug/kg dw	<5.2		04/15/2003			2850	jxc	DT	SW 8260A
Bromobenzene	<5.2 ug/kg dw	<5.2		04/15/2003			2850	jxc	DT	SW 8260A
2-Butanone (MEK)	<52 ug/kg dw	<52		04/15/2003			2850	jxc	DT	SW 8260A

* - Duplicate analysis not within control limits.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 71 of 80

SAMPLE NO. 836346 **SAMPLE DESCRIPTION** HEM078:SB32:S020030:572 **DATE/TIME TAKEN** 04/09/2003 15:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Carbon disulfide	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Carbon tetrachloride	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Chlorobenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Chloroethane	<10.4	ug/kg dw	<10.4		04/15/2003		2850	jxc	DT	SW	8260A
2-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
4-Chlorotoluene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Chloroform	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Chloromethane	<10.4	ug/kg dw	<10.4		04/15/2003		2850	jxc	DT	SW	8260A
Dibromochloromethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Dibromomethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Dichlorodifluoromethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,2-Dibromo-3-chloropropane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,2-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,3-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,4-Dichlorobenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,1-Dichloroethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,2-Dichloroethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,1-Dichloroethene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
cis-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
trans-1,2-Dichloroethene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,3-Dichloropropane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
2,2-Dichloropropane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
1,1-Dichloropropene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
cis-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
trans-1,3-Dichloropropene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Ethylbenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Hexachlorobutadiene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
n-Hexane	<20.9	ug/kg dw	<20.9		04/15/2003		2850	jxc	DT	SW	8260A
2-Hexanone	<52.2	ug/kg dw	<52.2		04/15/2003		2850	jxc	DT	SW	8260A
Isopropylbenzene (Cumene)	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
p-Isopropyltoluene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW	8260A
Bromomethane	<10.4	ug/kg dw	<10.4		04/15/2003		2850	jxc	DT	SW	8260A
Methylene Chloride	<10.4	ug/kg dw	<10.4		04/15/2003		2850	jxc	DT	SW	8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 72 of 80

SAMPLE NO. 836346 **SAMPLE DESCRIPTION** HEM078:SB32:S020030:572 **DATE/TIME TAKEN** 04/09/2003 15:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Methyl t-butyl ether (MTBE)	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
n-Propylbenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
Styrene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
Naphthalene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,2,2-Tetrachloroethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
Tetrachloroethene	6.3	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
Toluene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
Trichloroethene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
Vinyl Acetate	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
Vinyl Chloride	<2.1	ug/kg dw	<2.1		04/15/2003		2850	jxc	DT	SW 8260A	
Xylenes, Total	<5.2	ug/kg dw	<5.2		04/15/2003		2850	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane(surr)	100	%	80-120		04/15/2003		2850	jxc	DT	SW 8260A	
Dibromofluoromethane(surr)	99	%	80-120		04/15/2003		2850	jxc	DT	SW 8260A	
d8-Toluene(surr)	102	%	81-117		04/15/2003		2850	jxc	DT	SW 8260A	
Bromofluorobenzene(surr)	99	%	74-121		04/15/2003		2850	jxc	DT	SW 8260A	
PNA Non-Aq - 8270									DT		
Acenaphthene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Acenaphthylene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Anthracene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(a)anthracene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(a)pyrene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(b)fluoranthene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(ghi)perylene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Benzo(k)fluoranthene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Chrysene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 73 of 80

SAMPLE NO. 836346 **SAMPLE DESCRIPTION** HEM078:SB32:S020030:572 **DATE/TIME TAKEN** 04/09/2003 15:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Dibenz(ah)anthracene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Fluoranthene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Fluorene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Indeno(1,2,3-cd)pyrene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Naphthalene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Phenanthrene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Pyrene	<157	ug/kg dw	<157		04/25/2003		1325	2214	jdm	DT	SW 8270C
Surrogate: d5-Nitrobenzene	89	%	28-120		04/25/2003		1325	2214	jdm	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	89	%	20-115		04/25/2003		1325	2214	jdm	DT	SW 8270C
Surrogate: d14-Terphenyl	92	%	18-137		04/25/2003		1325	2214	jdm	DT	SW 8270C
PCB's M 8082, Non-Aq										DT	
Aroclor 1016	<0.0173	mg/kg dw	<0.0173		04/18/2003	04:01	433	645	310	DT	SW 8082
Aroclor 1221	<0.0348	mg/kg dw	<0.0348		04/18/2003	04:01	433	645	310	DT	SW 8082
Aroclor 1232	<0.0173	mg/kg dw	<0.0173		04/18/2003	04:01	433	645	310	DT	SW 8082
Aroclor 1242	<0.0173	mg/kg dw	<0.0173		04/18/2003	04:01	433	645	310	DT	SW 8082
Aroclor 1248	<0.0173	mg/kg dw	<0.0173		04/18/2003	04:01	433	645	310	DT	SW 8082
Aroclor 1254	<0.0173	mg/kg dw	<0.0173		04/18/2003	04:01	433	645	310	DT	SW 8082
Aroclor 1260	<0.0173	mg/kg dw	<0.0173		04/18/2003	04:01	433	645	310	DT	SW 8082
Surrogate: DCB	84	%			04/18/2003	04:01	433	645	310	DT	SW 8082

SAMPLE NO. 836347 **SAMPLE DESCRIPTION** HEM078:SB33:S000020:572 **DATE/TIME TAKEN** 04/09/2003 15:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/17/2003		2070		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.136	mg/kg dw	<0.136		04/18/2003		2070	595	gcw	DT	EPA 335.2 (CLP-M)
Dry Weight	92.1	%	0.1		04/17/2003	10:05		2290	anb	DT	SM 2540 G.
ICP NONAQUEOUS	Complete		Complete		04/16/2003	02:30		1914	tpw	DT	SW 6010B
Arsenic, GFAA	0.877	mg/kg dw	<0.179		04/22/2003		1231	851	lnh	DT	SW 7060A
Barium, ICP	<4.2	mg/kg dw	<4.2		04/16/2003	02:30	1383	3863	tpw	DT	SW 6010B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 74 of 80

SAMPLE NO. 836347 **SAMPLE DESCRIPTION** HEM078:SB33:S000020:572 **DATE/TIME TAKEN** 04/09/2003 15:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cadmium, ICP	<6.4	mg/kg dw	<6.4		04/16/2003	02:30	1383	3845	tpw	DT	SW 6010B
Chromium, ICP	15	mg/kg dw	<8.6		04/16/2003	02:30	1383	3833	tpw	DT	SW 6010B
Cobalt, ICP	<4.2	mg/kg dw	<4.2		04/16/2003	02:30	1383	3950	tpw	DT	SW 6010B
Copper, ICP	6.8	mg/kg dw	<4.2		04/16/2003	02:30	1383	3881	tpw	DT	SW 6010B
Lead, ICP	<17	mg/kg dw	<17		04/16/2003	02:30	1383	3836	tpw	DT	SW 6010B
Mercury, CVAA	<0.0087	mg/kg dw	<0.0087		04/18/2003	15:19		1462	epk	DT	SW 7471A
Nickel, ICP	5.1	mg/kg dw	<2.2		04/16/2003	02:30	1383	3858	tpw	DT	SW 6010B
Selenium, ICP	<22	mg/kg dw	<22		04/16/2003	02:30	1383	3912	tpw	DT	SW 6010B
Silver, ICP	<8.6	mg/kg dw	<8.6		04/16/2003	02:30	1383	3864	tpw	DT	SW 6010B
Zinc, ICP	156	mg/kg dw	<11		04/16/2003	02:30	1383	3847	tpw	DT	SW 6010B
ICP Digestion, Nonaqueous	Complete		Complete		04/15/2003	16:00	1383		jlr	DT	SW 3050B
GFAA Digestion, Nonaqueous	Complete		Complete		04/16/2003	09:15	1231		jlr	DT	SW 3050B
Mercury Digestion, Non-Aq	Complete		Complete		04/21/2003	08:30	1036		jlr	DT	SW 7471A
Prep, 8270 PNA Non-Aq	SW 3545		Complete		04/18/2003		1325		mhg	DT	
VOLATILE COMPOUNDS-8260 Non-Aq											
8260 - SW846 (Non-aq)	Complete		Complete		04/15/2003			2850	jxc	DT	
Acetone	<109	ug/kg dw	<109		04/15/2003			2850	jxc	DT	SW 8260A
Benzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
tert-Butylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
sec-Butylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
n-Butylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromochloromethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromodichloromethane	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromoform	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Bromobenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
2-Butanone (MEK)	<54	ug/kg dw	<54		04/15/2003			2850	jxc	DT	SW 8260A
Carbon disulfide	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Carbon tetrachloride	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Chlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Chloroethane	<10.9	ug/kg dw	<10.9		04/15/2003			2850	jxc	DT	SW 8260A
2-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
4-Chlorotoluene	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A
Chloroform	<5.4	ug/kg dw	<5.4		04/15/2003			2850	jxc	DT	SW 8260A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 75 of 80

SAMPLE NO. 836347 **SAMPLE DESCRIPTION** HEM078:SB33:S000020:572 **DATE/TIME TAKEN** 04/09/2003 15:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Chloromethane	<10.9	ug/kg dw	<10.9		04/15/2003		2850	jxc	DT	SW 8260A	
Dibromochloromethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Dibromomethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Dichlorodifluoromethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2-Dibromo-3-chloropropane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,3-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,4-Dichlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1-Dichloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2-Dichloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1-Dichloroethene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
cis-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
trans-1,2-Dichloroethene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,3-Dichloropropane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
2,2-Dichloropropane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1-Dichloropropene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
cis-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
trans-1,3-Dichloropropene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Ethylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Hexachlorobutadiene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
n-Hexane	<21.7	ug/kg dw	<21.7		04/15/2003		2850	jxc	DT	SW 8260A	
2-Hexanone	<54.3	ug/kg dw	<54.3		04/15/2003		2850	jxc	DT	SW 8260A	
Isopropylbenzene (Cumene)	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
p-Isopropyltoluene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Bromomethane	<10.9	ug/kg dw	<10.9		04/15/2003		2850	jxc	DT	SW 8260A	
Methylene Chloride	<10.9	ug/kg dw	<10.9		04/15/2003		2850	jxc	DT	SW 8260A	
Methyl t-butyl ether (MTBE)	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
4-Methyl-2-pentanone (MIBK)	<54.3	ug/kg dw	<54.3		04/15/2003		2850	jxc	DT	SW 8260A	
n-Propylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Styrene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Naphthalene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1,2,2-Tetrachloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 76 of 80

SAMPLE NO. 836347 **SAMPLE DESCRIPTION** HEM078:SB33:S000020:572 **DATE/TIME TAKEN** 04/09/2003 15:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Tetrachloroethene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Toluene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,4-Trichlorobenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,1-Trichloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,1,2-Trichloroethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Trichloroethene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Trichlorofluoromethane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,3-Trichloropropane	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,2,4-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
1,3,5-Trimethylbenzene	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Vinyl Acetate	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
Vinyl Chloride	<2.2	ug/kg dw	<2.2		04/15/2003		2850	jxc	DT	SW 8260A	
Xylenes, Total	<5.4	ug/kg dw	<5.4		04/15/2003		2850	jxc	DT	SW 8260A	
d4-1,2-Dichloroethane (surr)	102	%	80-120		04/15/2003		2850	jxc	DT	SW 8260A	
Dibromofluoromethane (surr)	101	%	80-120		04/15/2003		2850	jxc	DT	SW 8260A	
d8-Toluene (surr)	101	%	81-117		04/15/2003		2850	jxc	DT	SW 8260A	
Bromofluorobenzene (surr)	100	%	74-121		04/15/2003		2850	jxc	DT	SW 8260A	
PNA Non-Aq - 8270										DT	
Acenaphthene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Acenaphthylene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Anthracene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Benzo(a)anthracene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Benzo(a)pyrene	<163	ug/kg dw	<163	V	04/28/2003		1325	2212	jcs	DT SW 8270C	
Benzo(b)fluoranthene	<163	ug/kg dw	<163	V	04/28/2003		1325	2212	jcs	DT SW 8270C	
Benzo(ghi)perylene	<163	ug/kg dw	<163	V	04/28/2003		1325	2212	jcs	DT SW 8270C	
Benzo(k)fluoranthene	<163	ug/kg dw	<163	V	04/28/2003		1325	2212	jcs	DT SW 8270C	
Chrysene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Dibenz(ah)anthracene	<163	ug/kg dw	<163	V	04/28/2003		1325	2212	jcs	DT SW 8270C	
Fluoranthene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Fluorene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Indeno(1,2,3-cd)pyrene	<163	ug/kg dw	<163	V	04/28/2003		1325	2212	jcs	DT SW 8270C	
Naphthalene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Phenanthrene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	
Pyrene	<163	ug/kg dw	<163		04/28/2003		1325	2212	jcs	DT SW 8270C	

V - Internal Standard is outside of control limits.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 77 of 80

SAMPLE NO. **SAMPLE DESCRIPTION** **DATE/TIME TAKEN**
 836347 HEM078:SB33:S000020:572 04/09/2003 15:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Surrogate: d5-Nitrobenzene	80	%	28-120		04/28/2003		1325	2212	jcs	DT	SW 8270C
Surrogate: 2-Fluorobiphenyl	72	%	20-115		04/28/2003		1325	2212	jcs	DT	SW 8270C
Surrogate: di4-Terphenyl	94	%	18-137		04/28/2003		1325	2212	jcs	DT	SW 8270C

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 78 of 80

SAMPLE NO. 836348 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/09/2003

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete			Complete	04/18/2003		5378	jpp	DT	
Acetone	<20.0 ug/L	<20.0		04/18/2003		5378	jpp	DT	SW	8260B
Benzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
tert-Butylbenzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
sec-Butylbenzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
n-Butylbenzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Bromochloromethane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Bromodichloromethane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Bromoform	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Bromobenzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
2-Butanone (MEK)	<12.5 ug/L	<12.5		04/18/2003		5378	jpp	DT	SW	8260B
Carbon disulfide	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Carbon tetrachloride	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Chlorobenzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Chloroethane	<5.0 ug/L	<5.0		04/18/2003		5378	jpp	DT	SW	8260B
2-Chlorotoluene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
4-Chlorotoluene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Chloroform	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Chloromethane	<5.0 ug/L	<5.0		04/18/2003		5378	jpp	DT	SW	8260B
Dibromochloromethane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Dibromomethane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
Dichlorodifluoromethane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
1,2-Dibromo-3-chloropropane	<5.0 ug/L	<5.0		04/18/2003		5378	jpp	DT	SW	8260B
1,2-Dichlorobenzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
1,3-Dichlorobenzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
1,4-Dichlorobenzene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
1,1-Dichloroethane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
1,2-Dichloroethane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
1,1-Dichloroethene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
cis-1,2-Dichloroethene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
trans-1,2-Dichloroethene	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
1,2-Dichloropropane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B
1,3-Dichloropropane	<1.0 ug/L	<1.0		04/18/2003		5378	jpp	DT	SW	8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 79 of 80

SAMPLE NO. 836348 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/09/2003

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		04/18/2003		5378	jpp	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/18/2003		5378	jpp	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Toluene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Trichloroethene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		04/18/2003		5378	jpp	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
Xylenes	<1.0	ug/L	<1.0		04/18/2003		5378	jpp	DT	SW 8260B	
d4-1,2-Dichloroethane (surr)	103	%	80-120		04/18/2003		5378	jpp	DT	SW 8260B	
Dibromofluoromethane (surr)	104	%	86-118		04/18/2003		5378	jpp	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07427
 Report Date: 04/29/2003
 Page: 80 of 80

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
836348	Trip Blank	04/09/2003

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
d8-Toluene(surr)	99	%	88-110		04/18/2003			5378	jpp	DT	SW 8260B
Bromofluorobenzene(surr)	101	%	86-115		04/18/2003			5378	jpp	DT	SW 8260B

3,05421

CHAIN OF CUSTODY RECORD

PAGE 2 OF 3

NO. 07005

Dublin
 6130 Wilcox Road
 Dublin, Ohio 43016
 Phone: (614) 385-8777
 Fax: (614) 385-9070

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

Mason
 4700 Duke Drive
 Suite 172
 Mason, Ohio 45040
 Phone: (513) 459-9677
 Fax: (513) 459-9869

REPORT TO: Adam HUBER

Client: Hemisphere
 Site: SANDUSKY OH
 Project#: Hem 078 Phase: _____
 Samplers: MIELECKI

SAMPLE TYPES:
 A AIR
 C ASBESTOS
 D SEDIMENT
 G GROUNDWATER
 P PRODUCT
 S SOIL
 W OTHERS
 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 - Zeacetate + NaOH, pH>8
 F - Na₂S₂O₅ (0.0088%)
 G - HCl pH<2

METALS
 F - FILTERED
 N - NOT FILTERED
 B - BOTH

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE	SAMPLER ID	NO. OF METALS CONT.	SAMPLING DATE/TIME	ANALYSES	COMMENTS
	Hem 078 : SB 13	: S0200035	: 572	2	4/9/03 15:45	VOL GASES PAA GASES EXCISE ZINC CONTAINER GAS METALS GORG/1000 PBB5 BOCA	
	: SB 14	: S0000030	:	2	4/9/03 16:05		OHIO
	: SB 15	: S0400050	:	2	4/9/03 16:30		VAP
	: SB 16	: S0200030	:	2	4/9/03 16:40		
	: SB 17	: S0200030	:	2	4/9/03 8:35		
	: SB 18	: S0400050	:	2	4/9/03 9:05		
	: SB 19	: S0400060	:	2	4/9/03 9:35		
	: SB 20	: S0400060	:	2	4/9/03 10:00		
	: SB 21	: S0000020	:	2	4/9/03 11:20		
	: SB 22	: S0000090	:	2	4/9/03 12:40		
	: SB 23	: S0000080	:	2	4/9/03 12:55		
	: SB 24	: S0200032	:	2	4/9/03 13:10		

RELINQUISHED BY: Adam Huber DATE: 4-10-03 TIME: 16:00

RECEIVED BY: _____ DATE: _____ TIME: _____

RECEIVED FOR LAB BY: D. K. Huber DATE: 4-11-03 TIME: 9:00

DISTRIBUTION: _____

COOLER TEMPERATURE AS RECEIVED °C: 3.2

DELIVER TO: TEST AMERICA

METHOD OF DELIVERY: FED-EX

AIRBILL NUMBER: _____

NOTES: _____

TURN AROUND TIME: _____ DAYS

1000.300.0168.DWG 07/25/99 KMJC

7/1/09 826446142519



Hull & Associates, Inc.

Dublin Toledo
6130 Wilcox Road
Dublin, Ohio 43016
Phone: (614) 365-8777
Fax: (614) 365-9070

Mason Solon
4700 Duke Drive
Suite 172
Mason, Ohio 45040
Phone: (513) 459-9677
Fax: (513) 459-9869

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

REPORT TO: ADMIN HUNN

Client: HEMISPHERE
Site: Saninsky, OH
Project#: New 07B Phase: _____
Samplers: MIELECKI

CHAIN OF CUSTODY RECORD

PRESERVATIVES	ANALYSES
RCM METALS 6210 VOC'S 6260 PM 6270 HAP 6280	RCM METALS 6210 VOC'S 6260 PM 6270 HAP 6280 PRB'S 6060 GARBAGE 6280 CANN'D MILK 6280

SAMPLE TYPES:
A - ASBESTOS
B - SEDIMENT
C - GROUNDWATER
D - PRODUCT
E - 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 - Zinc acetate + NaOH, pH>9
F - Na₂S₂O₃ (0.008%)
G - HCl, pH<2

METALS:
F - FILTERED
N - BOTH

PROJECT NO.	SAMPLE LOCATION	SAMPLE TYPE	SAMPLER ID	NO. OF METALS CONT.	SAMPLING DATE/TIME	COMMENTS
HEM07B	: SB25	: S000030	: 572	2	4/9/03 13:15	X
	: SB26	: S020035	:	2	4/9/03 13:40	X
	: SB27	: S020030	:	2	4/9/03 13:55	X
	: SB28	: S020030	:	2	4/9/03 13:55	X
	: SB29	: S020030	:	2	4/9/03 14:10	X
	: SB30	: S020030	:	2	4/9/03 14:25	X
	: SB31	: S010020	:	2	4/9/03 14:55	X
	: SB32	: S020030	:	2	4/9/03 15:10	X
	: SB33	: S000020	:	2	4/9/03 15:30	X
	: *	: Trip Blank Labo sent PLS.	:			
	: :	: :	:			
	: :	: :	:			

RELINQUISHED BY: f. M... DATE: 4-10-03 TIME: 16-00 RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: _____ DATE: _____ TIME: _____

RELINQUISHED BY: _____ DATE: _____ TIME: _____ RECEIVED BY: J. J. M... DATE: 4-11-03 TIME: 9-00

COOLER TEMPERATURE AS RECEIVED °C: 3.2

Deliver To: TEST AMERICA
Method of Delivery: FED-EX
Airbill Number: _____
NOTES: _____
TURN AROUND TIME: _____ DAYS

AFFIDAVIT

TestAmerica, Inc. (VAP Laboratory No. CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY

SS:

I, **B. Chris Weathington**, being first duly sworn according to law deposes and states that, to the best of my knowledge, information and belief:

- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by **TestAmerica, Inc.** as **Laboratory Director** and was authorized to submit this affidavit on behalf of **TestAmerica, Inc.** for the attached report.
- 3) TestAmerica performed analysis for **Hull & Associates** concerning a voluntary action for the property located at **HEM078**.
- 4) TestAmerica was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by **TestAmerica**, for the purposes of conducting or completing the voluntary action at the referenced property, complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **03.07427**.
- 7) All information, data, documents and reports submitted by **TestAmerica**, identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) **TestAmerica** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3), in performing the analysis for **Hull & Associates** for the referenced property.

B. Chris Weathington

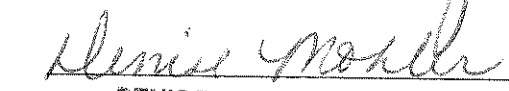
Further affiant sayeth naught

Sworn to before me this 29th day of April, 2003

Notary



Affiant Signature



DENISE MOHLER
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES
JUNE 7, 2005

AFFIDAVIT

TestAmerica Analytical Testing Corp.


STATE OF OHIO

COUNTY OF MONTGOMERY

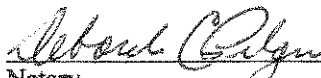
I, Eric S. Smith, being first duly sworn to law deposes and states that, to the best of my knowledge, information and belief:

- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by TestAmerica Analytical Testing Corp. as Assistant Technical Director and was authorized to submit this affidavit on behalf of TestAmerica Analytical Testing Corp. for the attached report.
- 3) TestAmerica Analytical Testing Corp. performed analysis for TestAmerica - Dayton concerning a voluntary action for their Project # 3.07427.
- 4) TestAmerica Analytical Testing Corp. was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by TestAmerica Analytical Testing Corp. for purposes of conducting or completing the voluntary action at the referenced property complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as 03-A55817 through 03-A55819.
- 7) All information, data, documents and reports submitted by TestAmerica Analytical Testing Corp., identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) TestAmerica Analytical Testing Corp. has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 7345-300-05(F)(3), in performing the analysis for TestAmerica - Dayton for the referenced property.

Further affiant sayeth naught


Affiant Signature

Sworn to before me this April 21, 2003


Notary

MY COMMISSION EXPIRES
NOVEMBER, 25, 2006

4/18/03

TESTAMERICA-DAYTON 8733
JOYCE SARAPATA
3601 SOUTH DIXIE DR
DAYTON, OH 45439

This report includes the analytical certificates of analysis for all samples listed below. These samples relate to your project identified below:

Project Name:
Project Number: 3.07427.
Laboratory Project Number: 327627.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980.

Page 1

Sample Identification	Lab Number	Collection Date
836344	03-A55817	4/ 9/03
836345	03-A55818	4/ 9/03
836346	03-A55819	4/ 9/03

These results relate only to the items tested.
This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:



Report Date: 4/18/03

Paul E. Lane, Jr., Lab Director
Michael H. Dunn, M.S., Technical Director
Johnny A. Mitchell, Dir. Technical Serv.
Eric S. Smith, Assistant Technical Director
Roxanne L. Connor, Technical Services

Gail A. Lage, Technical Serv.
Glenn L. Norton, Technical Serv.
Kelly S. Comstock, Technical Serv.
Pamela A. Langford, Technical Serv.

Laboratory Certification Number: CL0033

ANALYTICAL REPORT

TESTAMERICA-DAYTON 8733
 JOYCE SARAPATA
 3601 SOUTH DIXIE DR
 DAYTON, OH 45439

Lab Number: 03-A55817
 Sample ID: 836344
 Sample Type: Soil
 Site ID:

Project: 3.07427
 Project Name:
 Sampler:

Date Collected: 4/ 9/03
 Time Collected: 14:35
 Date Received: 4/12/03
 Time Received: 8:40
 Page: 1

Analyte	Result	Units	Report	Dil	Date	Time	Analyst	Method	Batch
			Limit	Factor					
PESTICIDE/PCB'S/HERBICIDES									
Aroclor 1016	ND	mg/kg	0.0166	1	4/18/03	12:47	Carmichael	8082	3497
Aroclor 1221	ND	mg/kg	0.0333	1	4/18/03	12:47	Carmichael	8082	3497
Aroclor 1232	ND	mg/kg	0.0166	1	4/18/03	12:47	Carmichael	8082	3497
Aroclor 1242	ND	mg/kg	0.0166	1	4/18/03	12:47	Carmichael	8082	3497
Aroclor 1248	ND	mg/kg	0.0166	1	4/18/03	12:47	Carmichael	8082	3497
Aroclor 1254	0.0696	mg/kg	0.0166	1	4/18/03	12:47	Carmichael	8082	3497
Aroclor 1260	ND	mg/kg	0.0166	1	4/18/03	12:47	Carmichael	8082	3497

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
PCB'S	30.0 gm	10.0 ml	4/17/03		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pcb surr-TCMX	88.	45. - 129.
8082 Surr DCB,s	111.	52. - 158.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A55817
Sample ID: 836344
Project: 3.07427
Page 2

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
= Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

ANALYTICAL REPORT

TESTAMERICA-DAYTON 8733
JOYCE SARAPATA
3601 SOUTH DIXIE DR
DAYTON, OH 45439

Lab Number: 03-A55818
Sample ID: 836345
Sample Type: Soil
Site ID:

Project: 3.07427
Project Name:
Sampler:

Date Collected: 4/ 9/03
Time Collected: 14:55
Date Received: 4/12/03
Time Received: 8:40
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
PESTICIDE/PCB'S/HERBICIDES									
Aroclor 1016	ND	mg/kg	0.0166	1	4/18/03	13:10	Carmichael	8082	3497
Aroclor 1221	ND	mg/kg	0.0333	1	4/18/03	13:10	Carmichael	8082	3497
Aroclor 1232	ND	mg/kg	0.0166	1	4/18/03	13:10	Carmichael	8082	3497
Aroclor 1242	ND	mg/kg	0.0166	1	4/18/03	13:10	Carmichael	8082	3497
Aroclor 1248	ND	mg/kg	0.0166	1	4/18/03	13:10	Carmichael	8082	3497
Aroclor 1254	0.0213	mg/kg	0.0166	1	4/18/03	13:10	Carmichael	8082	3497
Aroclor 1260	ND	mg/kg	0.0166	1	4/18/03	13:10	Carmichael	8082	3497

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
PCB's	30.1 gm	10.0 ml	4/17/03		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pcb surr-TCMX	90.	45. - 129.
8082 Surr DCB,s	104.	52. - 158.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A55818
Sample ID: 836345
Project: 3.07427
Page 2

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
= Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

ANALYTICAL REPORT

TESTAMERICA-DAYTON 8733
JOYCE SARAPATA
3601 SOUTH DIXIE DR
DAYTON, OH 45439

Lab Number: 03-A55819
Sample ID: 836346
Sample Type: Soil
Site ID:

Project: 3.07427
Project Name:
Sampler:

Date Collected: 4/ 9/03
Time Collected: 15:10
Date Received: 4/12/03
Time Received: 8:40
Page: 1

Analyte	Result	Units	Report Limit	Dil Factor	Date	Time	Analyst	Method	Batch
PESTICIDE/PCB'S/HERBICIDES									
Aroclor 1016	ND	mg/kg	0.0166	1	4/18/03	4:01	Carmichael	8082	3497
Aroclor 1221	ND	mg/kg	0.0333	1	4/18/03	4:01	Carmichael	8082	3497
Aroclor 1232	ND	mg/kg	0.0166	1	4/18/03	4:01	Carmichael	8082	3497
Aroclor 1242	ND	mg/kg	0.0166	1	4/18/03	4:01	Carmichael	8082	3497
Aroclor 1248	ND	mg/kg	0.0166	1	4/18/03	4:01	Carmichael	8082	3497
Aroclor 1254	ND	mg/kg	0.0166	1	4/18/03	4:01	Carmichael	8082	3497
Aroclor 1260	ND	mg/kg	0.0166	1	4/18/03	4:01	Carmichael	8082	3497

Sample Extraction Data

Parameter	Wt/Vol		Date	Time	Analyst	Method
	Extracted	Extract Vol				
PCB's	29.9 gm	10.0 ml	4/17/03		M. Cauthen	3550

Surrogate	% Recovery	Target Range
pcb surr-TCMX	73.	45. - 129.
8082 Surr DCB,s	84.	52. - 158.

Sample report continued . . .

ANALYTICAL REPORT

Laboratory Number: 03-A55819
Sample ID: 836346
Project: 3.07427
Page 2

LABORATORY COMMENTS:

ND = Not detected at the report limit.
B = Analyte was detected in the method blank.
J = Estimated Value below Report Limit.
E = Estimated Value above the calibration limit of the instrument.
= Recovery outside Laboratory historical or method prescribed limits.
All results reported on a wet weight basis.

End of Sample Report.

PROJECT QUALITY CONTROL DATA

Project Number: 3.07427

Project Name:

Page: 1

Laboratory Receipt Date: 4/12/03

Matrix Spike Recovery

Note: If Blank is referenced as the sample spiked, insufficient volume was received for the defined analytical batch for MS/MSD analysis on a true sample matrix. Laboratory reagent water was used for QC purposes.

Analyte	units	Orig. Val.	MS Val	Spike Conc	Recovery	Target Range	Q.C. Batch	Spike Sample
MISC PARAMETERS								
Aroclor 1254	mg/kg	< 0.0166	0.214	0.167	128	40 - 140	3497	03-A55514

Matrix Spike Duplicate

Analyte	units	Orig. Val.	Duplicate	RPD	Limit	Q.C. Batch
MISC PARAMETERS						
Aroclor 1254	mg/kg	0.214	0.215	0.47	50	3497

Laboratory Control Data

Analyte	units	Known Val.	Analyzed Val	% Recovery	Target Range	Q.C. Batch
PEST/PCB/HERB PARAMETERS						
Aroclor 1248	mg/kg	0.167	0.144	86	57 - 139	3497

Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Date Analyzed	Time Analyzed
PEST/PCB/HERB PARAMETERS					
Aroclor 1016	< 0.0166	mg/kg	3497	4/17/03	17:52
Aroclor 1221	< 0.0333	mg/kg	3497	4/17/03	17:52
Aroclor 1232	< 0.0166	mg/kg	3497	4/17/03	17:52
Aroclor 1242	< 0.0166	mg/kg	3497	4/17/03	17:52

Project QC continued . . .

PROJECT QUALITY CONTROL DATA

Project Number: 3.07427

Project Name:

Page: 2

Laboratory Receipt Date: 4/12/03

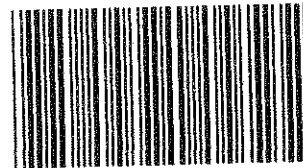
Blank Data

Analyte	Blank Value	Units	Q.C. Batch	Analysis Date	Analysis Time
Aroclor 1248	< 0.0166	mg/kg	3497	4/17/03	17:52
Aroclor 1254	< 0.0166	mg/kg	3497	4/17/03	17:52
Aroclor 1260	< 0.0166	mg/kg	3497	4/17/03	17:52
pcb surr-TCMX	80.	% Rec	3497	4/17/03	17:52
8082 Surr DCB,s	92.	% Rec	3497	4/17/03	17:52

= Value outside Laboratory historical or method prescribed QC limits.

End of Report for Project 327627

**TEST AMERICA ANALYTICAL
TESTING CORP.-NASHVILLE**



COOLER RECEIPT FORM

BC#

Client: TA - Dayton

Cooler Received On: 4/12/03 And Opened On: 4/12/03 By: SHANE GAMBILL

Shane Gambill
(Signature)

- 1. Temperature of Cooler when opened 2.6 Degrees Celsius
- 2. Were custody seals on outside of cooler?.....YES...NO...NA
 - a. If yes, how many, what kind and where: 1/2/3/4 FRONT/BACK/SIDE
- 3. Were custody seals on containers and intact?..... NO...YES...NA
- 4. Were the seals intact, signed, and dated correctly?.....YES...NO...NA
- 5. Were custody papers inside cooler?.....YES...NO...NA
- 6. Were custody papers properly filled out (ink, signed, etc)?.....YES...NO...NA
- 7. Did you sign the custody papers in the appropriate place?.....YES...NO...NA
- 8. What kind of packing material used? Bubblewrap Peanuts Vermiculite Other None
- 9. Was sufficient ice used (if appropriate)?.....YES...NO...NA
- 10. Did all bottles arrive in good condition (unbroken)?.....YES...NO...NA
- 11. Were all bottle labels complete (#, date, signed, pres, etc)?.....YES...NO...NA
- 12. Did all bottle labels and tags agree with custody papers?.....YES...NO...NA
- 13. Were correct bottles used for the analysis requested?.....YES...NO...NA
- 14. a. Were VOA vials received?.....YES...NO...NA
 - b. Was there any observable head space present in any VOA vial?.....NO...YES...NA
- 15. Was sufficient amount of sample sent in each bottle?.....YES...NO...NA
- 16. Were correct preservatives used?.....YES...NO...NA
If not, record standard ID of preservative used here _____
- 17. Was residual chlorine present?.....NO...YES...NA
- 18. See attached for resolution of non-conformance:

Fed-Ex UPS Velocity Airborne Route Off-street Misc.

TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07889
Report Date: 04/30/2003
Page: 1 of 11

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

Project: HEM078

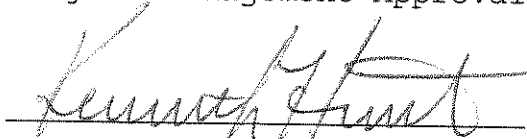
<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
837769	HEM078:MW9:G041503	04/15/2003	04/17/2003
837770	HEM078:MW1:G041503A	04/15/2003	04/17/2003
837771	Trip Blank	04/17/2003	04/17/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval



TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07889
Report Date: 04/30/2003
Page: 2 of 11

SAMPLE NO. 837769 **SAMPLE DESCRIPTION** HEM078:MW9:G041503 **DATE/TIME TAKEN** 04/15/2003 15:30

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.017 mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)
Solids, Total Dissolved	1.560 mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1
ICPMS TOTAL METALS	Complete	Complete		04/21/2003	17:22		3787	ekh	DT	SW 6020
Arsenic, ICPMS	<0.0050 mg/L	<0.0050		04/21/2003	17:22	2542	5127	ekh	DT	SW 6020
Barium, ICPMS	0.0953 mg/L	<0.0050		04/21/2003	17:22	2542	5323	ekh	DT	SW 6020
Cadmium, ICPMS	<0.0010 mg/L	<0.0010		04/21/2003	17:22	2542	5012	ekh	DT	SW 6020
Chromium, ICPMS	0.0185 mg/L	<0.0020		04/21/2003	17:22	2542	5624	ekh	DT	SW 6020
Cobalt, ICPMS	0.0056 mg/L	<0.0050		04/21/2003	17:22	2542	5293	ekh	DT	SW 6020
Copper, ICPMS	0.0555 mg/L	<0.0050		04/21/2003	17:22	2542	5179	ekh	DT	SW 6020
Lead, ICPMS	0.0034 mg/L	<0.0010		04/21/2003	17:22	2542	5092	ekh	DT	SW 6020
Mercury, CVAA	<0.0002 mg/L	<0.0002		04/24/2003	11:34	2122	2203	jlr	DT	SW 7470A
Nickel, ICPMS	0.0806 mg/L	<0.0050		04/21/2003	17:22	2542	5147	ekh	DT	SW 6020
Selenium, GFAA	<0.0050 mg/L	<0.0050		04/28/2003		1006	777	lnh	DT	SW 7740
Silver, ICPMS	<0.0005 mg/L	<0.0005		04/21/2003	17:22	2542	5379	ekh	DT	SW 6020
Zinc, ICPMS	<0.050 mg/L	<0.050		04/21/2003	17:22	2542	4982	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete	Complete		04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete	Complete		04/22/2003		1006		mja	DT	SW 3020A
Manual Mercury Digestion	Complete	Complete		04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep, 8310 Aqueous	SW 3520	Complete		04/18/2003		226		mfs	DT	
VOLATILE COMPOUNDS - 8260 (AQ)									DT	
8260 - SW846 (AQ)	Complete			04/27/2003			5413	jpp	DT	
Acetone	<200 ug/L	<200		04/27/2003			5413	jpp	DT	SW 8260B
Benzene	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
tert-Butylbenzene	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
sec-Butylbenzene	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
n-Butylbenzene	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Bromochloromethane	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Bromodichloromethane	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Bromoform	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Bromobenzene	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
2-Butanone (MEK)	<125 ug/L	<125		04/27/2003			5413	jpp	DT	SW 8260B
Carbon disulfide	<10 ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07889
 Report Date: 04/30/2003
 Page: 3 of 11

SAMPLE NO. 837769 **SAMPLE DESCRIPTION** HEM078:MW9:G041503 **DATE/TIME TAKEN** 04/15/2003 15:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Chlorobenzene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Chloroethane	<50	ug/L	<50		04/27/2003		5413	jpp	DT	SW 8260B	
2-Chlorotoluene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
4-Chlorotoluene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Chloroform	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Chloromethane	<50	ug/L	<50		04/27/2003		5413	jpp	DT	SW 8260B	
Dibromochloromethane	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Dibromomethane	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Dichlorodifluoromethane	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<50	ug/L	<50		04/27/2003		5413	jpp	DT	SW 8260B	
1,2-Dichlorobenzene	21.6	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,3-Dichlorobenzene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,4-Dichlorobenzene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,1-Dichloroethane	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,2-Dichloroethane	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,1-Dichloroethene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
cis-1,2-Dichloroethene	111	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
trans-1,2-Dichloroethene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,2-Dichloropropane	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,3-Dichloropropane	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
2,2-Dichloropropane	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
1,1-Dichloropropene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
cis-1,3-Dichloropropene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
trans-1,3-Dichloropropene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Ethylbenzene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Hexachlorobutadiene	<50	ug/L	<50		04/27/2003		5413	jpp	DT	SW 8260B	
n-Hexane	<50	ug/L	<50		04/27/2003		5413	jpp	DT	SW 8260B	
2-Hexanone	<125	ug/L	<125		04/27/2003		5413	jpp	DT	SW 8260B	
Isopropylbenzene (Cumene)	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
p-Isopropyltoluene	<10	ug/L	<10		04/27/2003		5413	jpp	DT	SW 8260B	
Bromomethane	<50	ug/L	<50		04/27/2003		5413	jpp	DT	SW 8260B	
Methylene Chloride	<50	ug/L	<50		04/27/2003		5413	jpp	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<50	ug/L	<50		04/27/2003		5413	jpp	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07889
 Report Date: 04/30/2003
 Page: 4 of 11

SAMPLE NO. 837769 **SAMPLE DESCRIPTION** HEM078:MW9:G041503 **DATE/TIME TAKEN** 04/15/2003 15:30

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
4-Methyl-2-pentanone (MIBK)	<125	ug/L	<125		04/27/2003			5413	jpp	DT	SW 8260B
n-Propylbenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Styrene	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Naphthalene	<50	ug/L	<50		04/27/2003			5413	jpp	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Tetrachloroethene	150	ug/L	<50.0		04/26/2003			5403	eap	DT	SW 8260B
Toluene	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
1,2,4-Trichlorobenzene	<50	ug/L	<50		04/27/2003			5413	jpp	DT	SW 8260B
1,1,1-Trichloroethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
1,1,2-Trichloroethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Trichloroethene	11,100	ug/L	<50.0		04/26/2003			5403	eap	DT	SW 8260B
Trichlorofluoromethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
1,2,3-Trichloropropane	<50	ug/L	<50		04/27/2003			5413	jpp	DT	SW 8260B
1,2,4-Trimethylbenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
1,3,5-Trimethylbenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Vinyl Acetate	<50	ug/L	<50		04/27/2003			5413	jpp	DT	SW 8260B
Vinyl Chloride	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
Xylenes	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
d4-1,2-Dichloroethane (surr)	97	%	80-120		04/27/2003			5413	jpp	DT	SW 8260B
Dibromofluoromethane (surr)	97	%	86-118		04/27/2003			5413	jpp	DT	SW 8260B
d8-Toluene (surr)	99	%	88-110		04/27/2003			5413	jpp	DT	SW 8260B
Bromofluorobenzene (surr)	100	%	86-115	f	04/27/2003			5413	jpp	DT	SW 8260B
PNA'S - EPA 8310 AQUEOUS											
Acenaphthene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Acenaphthylene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Anthracene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(b)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(ghi)perylene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(k)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Chrysene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Dibenz(a,h)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310

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

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07889
 Report Date: 04/30/2003
 Page: 5 of 11

SAMPLE NO. 837769 **SAMPLE DESCRIPTION** HEM078:MW9:G041503 **DATE/TIME TAKEN** 04/15/2003 15:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	0.22	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Fluorene	5.14	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Indeno(1,2,3-cd)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Naphthalene	<2.00	ug/L	<2.00		04/25/2003		226	381	jrw	DT	SW 8310
Phenanthrene	1.03	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Pyrene	0.40	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Surrogate:Decafluorobiphenyl	65	%	4-80		04/25/2003		226	381	jrw	DT	SW 8310

SAMPLE NO. 837770 **SAMPLE DESCRIPTION** HEM078:MW1:G041503A **DATE/TIME TAKEN** 04/15/2003 13:50

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.037	mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)
Solids, Total Dissolved	2,880	mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1
ICPMS TOTAL METALS	Complete		Complete		04/21/2003	17:58		3787	ekh	DT	SW 6020
Arsenic, ICPMS	<0.010	mg/L	<0.010		04/21/2003	17:58	2542	5127	ekh	DT	SW 6020
Barium, ICPMS	0.0501	mg/L	<0.0050		04/21/2003	17:58	2542	5323	ekh	DT	SW 6020
Cadmium, ICPMS	0.006	mg/L	<0.0010		04/21/2003	17:58	2542	5012	ekh	DT	SW 6020
Chromium, ICPMS	0.0438	mg/L	<0.0020		04/21/2003	17:58	2542	5624	ekh	DT	SW 6020
Cobalt, ICPMS	0.0089	mg/L	<0.0050		04/21/2003	17:58	2542	5293	ekh	DT	SW 6020
Copper, ICPMS	0.0282	mg/L	<0.0050		04/21/2003	17:58	2542	5179	ekh	DT	SW 6020
Lead, ICPMS	<0.0010	mg/L	<0.0010		04/21/2003	17:58	2542	5092	ekh	DT	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		04/24/2003	11:36	2122	2203	jlr	DT	SW 7470A
Nickel, ICPMS	0.495	mg/L	<0.0050		04/21/2003	17:58	2542	5147	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		04/28/2003		1006	777	lnh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		04/21/2003	17:58	2542	5379	ekh	DT	SW 6020
Zinc, ICPMS	0.200	mg/L	<0.050		04/21/2003	17:58	2542	4982	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete		Complete		04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		04/22/2003		1006		mja	DT	SW 3020A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07889
 Report Date: 04/30/2003
 Page: 6 of 11

SAMPLE NO. 837770 **SAMPLE DESCRIPTION** HEM078:MW1:G041503A **DATE/TIME TAKEN** 04/15/2003 13:50

	Result	Units	Reporting		Run	Run	Prep	Run	Anal. Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init. ID	Reference
Manual Mercury Digestion	Complete		Complete		04/23/2003	10:30	2122		epk	DT
Prep, 8310 Aqueous	SW 3520		Complete		04/18/2003		226		mfs	DT
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete				04/27/2003					DT
Acetone	<200	ug/L	<200		04/27/2003			5413	jpp	DT
Benzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
tert-Butylbenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
sec-Butylbenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
n-Butylbenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Bromochloromethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Bromodichloromethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Bromoform	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Bromobenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
2-Butanone (MEK)	<125	ug/L	<125		04/27/2003			5413	jpp	DT
Carbon disulfide	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Carbon tetrachloride	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Chlorobenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Chloroethane	<50	ug/L	<50		04/27/2003			5413	jpp	DT
2-Chlorotoluene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
4-Chlorotoluene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Chloroform	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Chloromethane	<50	ug/L	<50		04/27/2003			5413	jpp	DT
Dibromochloromethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Dibromomethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT
Dichlorodifluoromethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT
1,2-Dibromo-3-chloropropane	<50	ug/L	<50		04/27/2003			5413	jpp	DT
1,2-Dichlorobenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
1,3-Dichlorobenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
1,4-Dichlorobenzene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
1,1-Dichloroethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT
1,2-Dichloroethane	<10	ug/L	<10		04/27/2003			5413	jpp	DT
1,1-Dichloroethene	<10	ug/L	<10		04/27/2003			5413	jpp	DT
cis-1,2-Dichloroethene	11,300	ug/L	<50.0		04/26/2003			5403	eap	DT

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07889
 Report Date: 04/30/2003
 Page: 7 of 11

SAMPLE NO. 837770 **SAMPLE DESCRIPTION** HEM078:MW1:G041503A **DATE/TIME TAKEN** 04/15/2003 13:50

	Result	Units	Reporting Limit	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
trans-1,2-Dichloroethene	1,380	ug/L	<50.0	04/26/2003			5403	eap	DT	SW 8260B
1,2-Dichloropropane	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
1,3-Dichloropropane	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
2,2-Dichloropropane	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
1,1-Dichloropropene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
cis-1,3-Dichloropropene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
trans-1,3-Dichloropropene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Ethylbenzene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Hexachlorobutadiene	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
n-Hexane	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
2-Hexanone	<125	ug/L	<125	04/27/2003			5413	jpp	DT	SW 8260B
Isopropylbenzene (Cumene)	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
p-Isopropyltoluene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Bromomethane	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
Methylene Chloride	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
Methyl t-butyl ether (MTBE)	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<125	ug/L	<125	04/27/2003			5413	jpp	DT	SW 8260B
n-Propylbenzene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Styrene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Naphthalene	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Tetrachloroethene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Toluene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
1,2,4-Trichlorobenzene	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
1,1,1-Trichloroethane	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
1,1,2-Trichloroethane	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Trichloroethene	188	ug/L	<50.0	04/26/2003			5403	eap	DT	SW 8260B
Trichlorofluoromethane	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
1,2,3-Trichloropropane	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
1,2,4-Trimethylbenzene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
1,3,5-Trimethylbenzene	<10	ug/L	<10	04/27/2003			5413	jpp	DT	SW 8260B
Vinyl Acetate	<50	ug/L	<50	04/27/2003			5413	jpp	DT	SW 8260B
Vinyl Chloride	710	ug/L	<50.0	04/26/2003			5403	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07889
 Report Date: 04/30/2003
 Page: 8 of 11

SAMPLE NO. 837770 **SAMPLE DESCRIPTION** HEM078:MW1:G041503A **DATE/TIME TAKEN** 04/15/2003 13:50

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Xylenes	<10	ug/L	<10		04/27/2003			5413	jpp	DT	SW 8260B
d4-1,2-Dichloroethane (surr)	101	%	80-120		04/27/2003			5413	jpp	DT	SW 8260B
Dibromofluoromethane (surr)	105	%	86-118		04/27/2003			5413	jpp	DT	SW 8260B
d8-Toluene (surr)	100	%	88-110		04/27/2003			5413	jpp	DT	SW 8260B
Bromofluorobenzene (surr)	99	%	86-115	f	04/27/2003			5413	jpp	DT	SW 8260B
PNA'S - EPA 8310 AQUEOUS											
Acenaphthene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Acenaphthylene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Anthracene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(b)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(ghi)perylene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(k)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Chrysene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Dibenz(a,h)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Fluorene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Indeno(1,2,3-cd)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Naphthalene	<2.00	ug/L	<2.00		04/25/2003		226	381	jrjw	DT	SW 8310
Phenanthrene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Surrogate:Decafluorobiphenyl	64	%	4-80		04/25/2003		226	381	jrjw	DT	SW 8310

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

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07889
 Report Date: 04/30/2003
 Page: 9 of 11

SAMPLE NO. 837771 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/17/2003

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete			Complete	04/26/2003		5410	jpp	DT	
Acetone	<20.0	ug/L		<20.0	04/26/2003		5410	jpp	DT	SW 8260B
Benzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Bromochloromethane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Bromoform	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Bromobenzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L		<12.5	04/26/2003		5410	jpp	DT	SW 8260B
Carbon disulfide	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Chlorobenzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Chloroethane	<5.0	ug/L		<5.0	04/26/2003		5410	jpp	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Chloroform	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Chloromethane	<5.0	ug/L		<5.0	04/26/2003		5410	jpp	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Dibromomethane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L		<5.0	04/26/2003		5410	jpp	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L		<1.0	04/26/2003		5410	jpp	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07889
 Report Date: 04/30/2003
 Page: 10 of 11

SAMPLE NO. 837771 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/17/2003

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
n-Hexane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
2-Hexanone	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW	8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Bromomethane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
Methylene Chloride	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW	8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Styrene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Naphthalene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Tetrachloroethene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Toluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Trichloroethene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Vinyl Acetate	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW	8260B
Vinyl Chloride	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
Xylenes	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW	8260B
d4-1,2-Dichloroethane (surr)	104	μ	80-120		04/26/2003		5410	jpp	DT	SW	8260B
Dibromofluoromethane (surr)	103	μ	86-118		04/26/2003		5410	jpp	DT	SW	8260B

TestAmerica Analytical Testing Corporation
Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07889
Report Date: 04/30/2003
Page: 11 of 11

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
837771	Trip Blank	04/17/2003

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
d8-Toluene(surr)	98	%	88-110		04/26/2003			5410	jpp	DT	SW 8260B
Bromofluorobenzene(surr)	99	%	86-115		04/26/2003			5410	jpp	DT	SW 8260B

AFFIDAVIT

TestAmerica, Inc. (VAP Laboratory No. CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY

SS:

I, **B. Chris Weathington**, being first duly sworn according to law deposes and states that, to the best of my knowledge, information and belief:

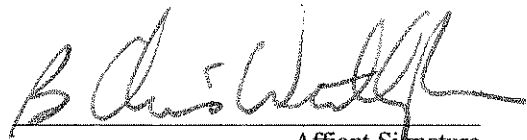
- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by **TestAmerica, Inc.** as **Laboratory Director** and was authorized to submit this affidavit on behalf of **TestAmerica, Inc.** for the attached report.
- 3) TestAmerica performed analysis for **Hull & Associates** concerning a voluntary action for the property located at **HEM078**.
- 4) TestAmerica was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by **TestAmerica**, for the purposes of conducting or completing the voluntary action at the referenced property, complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **03.07889**.
- 7) All information, data, documents and reports submitted by **TestAmerica**, identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) **TestAmerica** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3), in performing the analysis for **Hull & Associates** for the referenced property.

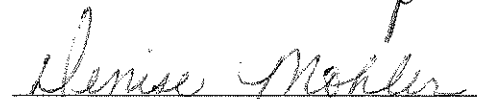
B. Chris Weathington

Further affiant sayeth naught

Sworn to before me this 30th day of April, 2003

Notary


Affiant Signature



DENISE MOHLER
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES
JUNE 7, 2005

TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07891
Report Date: 04/30/2003
Page: 1 of 18

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

Project: HEM078

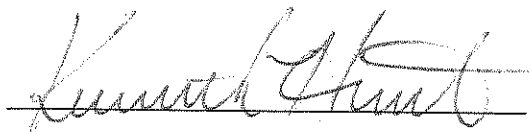
<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
837772	HEM078:MW6:G041503	04/15/2003	04/17/2003
837773	HEM078:MW7:G041503	04/15/2003	04/17/2003
837774	HEM078:MW8:G041503	04/15/2003	04/17/2003
837775	Trip Blank	04/15/2003	04/17/2003
837794	HEM078:FB1:W041503	04/15/2003	04/17/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval



TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07891
Report Date: 04/30/2003
Page: 2 of 18

SAMPLE NO. 837772 **SAMPLE DESCRIPTION** HEM078:MW6:G041503 **DATE/TIME TAKEN** 04/15/2003 16:00

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete	Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.005 mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)
Solids, Total Dissolved	622 mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1
ICPMS TOTAL METALS	Complete	Complete		04/21/2003	18:03		3787	ekh	DT	SW 6020
Arsenic, ICPMS	0.0052 mg/L	<0.0050		04/21/2003	18:03	2542	5127	ekh	DT	SW 6020
Barium, ICPMS	0.184 mg/L	<0.0050		04/21/2003	18:03	2542	5323	ekh	DT	SW 6020
Cadmium, ICPMS	<0.0010 mg/L	<0.0010		04/21/2003	18:03	2542	5012	ekh	DT	SW 6020
Chromium, ICPMS	0.0459 mg/L	<0.0020		04/21/2003	18:03	2542	5624	ekh	DT	SW 6020
Cobalt, ICPMS	0.0056 mg/L	<0.0050		04/21/2003	18:03	2542	5293	ekh	DT	SW 6020
Copper, ICPMS	0.0535 mg/L	<0.0050		04/21/2003	18:03	2542	5179	ekh	DT	SW 6020
Lead, ICPMS	0.0169 mg/L	<0.0010		04/21/2003	18:03	2542	5092	ekh	DT	SW 6020
Mercury, CVAA	<0.0002 mg/L	<0.0002		04/24/2003	11:28	2122	2203	jlir	DT	SW 7470A
Nickel, ICPMS	0.0478 mg/L	<0.0050		04/21/2003	18:03	2542	5147	ekh	DT	SW 6020
Selenium, GFAA	<0.0050 mg/L	<0.0050		04/28/2003		1007	777	lnh	DT	SW 7740
Silver, ICPMS	<0.0005 mg/L	<0.0005		04/21/2003	18:03	2542	5379	ekh	DT	SW 6020
Zinc, ICPMS	0.060 mg/L	<0.050		04/21/2003	18:03	2542	4982	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete	Complete	AC	04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete	Complete	AC	04/22/2003		1007		mja	DT	SW 3020A
Manual Mercury Digestion	Complete	Complete	AC	04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep, 8310 Aqueous	SW 3520	Complete		04/18/2003		226		mfs	DT	
VOLATILE COMPOUNDS - 8260 (AQ)										DT
8260 - SW846 (AQ)	Complete	Complete		04/26/2003			5403	eap	DT	
Acetone	<20.0 ug/L	<20.0		04/26/2003			5403	eap	DT	SW 8260B
Benzene	5.1 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B
tert-Butylbenzene	<1.0 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B
sec-Butylbenzene	1.4 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B
n-Butylbenzene	<1.0 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B
Bromochloromethane	<1.0 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B
Bromodichloromethane	<1.0 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B
Bromoform	<1.0 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B
Bromobenzene	<1.0 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5 ug/L	<12.5		04/26/2003			5403	eap	DT	SW 8260B
Carbon disulfide	<1.0 ug/L	<1.0		04/26/2003			5403	eap	DT	SW 8260B

A - Sample was not sufficiently preserved at time of collection.
C - Sample was preserved at the laboratory.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07891
Report Date: 04/30/2003
Page: 3 of 18

SAMPLE NO. 837772 **SAMPLE DESCRIPTION** HEM078:MW6:G041503 **DATE/TIME TAKEN** 04/15/2003 16:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Chlorobenzene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Chloroethane	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
2-Chlorotoluene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
4-Chlorotoluene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Chloroform	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Chloromethane	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
Dibromochloromethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Dibromomethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
cis-1,2-Dichloroethene	47.6	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
trans-1,2-Dichloroethene	1.4	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Ethylbenzene	7.2	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		04/26/2003		5403	eap	DT	SW 8260B	
Isopropylbenzene (Cumene)	5.2	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0	X	04/26/2003		5403	eap	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	

X - Laboratory Control Standard is outside of control limits.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 4 of 18

SAMPLE NO. 837772 **SAMPLE DESCRIPTION** HEM078:MW6:G041503 **DATE/TIME TAKEN** 04/15/2003 16:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/26/2003		5403	eap	DT	SW 8260B	
n-Propylbenzene	3.9	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Toluene	13.6	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Trichloroethene	1.5	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2,4-Trimethylbenzene	39.6	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,3,5-Trimethylbenzene	12.3	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
Vinyl Chloride	25.1	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Xylenes	86.3	ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
d4-1,2-Dichloroethane (surr)	107	%	80-120		04/26/2003		5403	eap	DT	SW 8260B	
Dibromofluoromethane (surr)	104	%	86-118		04/26/2003		5403	eap	DT	SW 8260B	
d8-Toluene (surr)	97	%	88-110		04/26/2003		5403	eap	DT	SW 8260B	
Bromofluorobenzene (surr)	96	%	86-115		04/26/2003		5403	eap	DT	SW 8260B	
PNA'S - EPA 8310 AQUEOUS											
Acenaphthene	<1.06	ug/L	<1.06		04/25/2003		226	381	jrjw	DT	SW 8310
Acenaphthylene	<1.06	ug/L	<1.06		04/25/2003		226	381	jrjw	DT	SW 8310
Anthracene	<1.06	ug/L	<1.06		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)anthracene	<0.21	ug/L	<0.21		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)pyrene	<0.21	ug/L	<0.21		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(b)fluoranthene	<0.21	ug/L	<0.21		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(ghi)perylene	<0.21	ug/L	<0.21		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(k)fluoranthene	<0.21	ug/L	<0.21		04/25/2003		226	381	jrjw	DT	SW 8310
Chrysene	<0.21	ug/L	<0.21		04/25/2003		226	381	jrjw	DT	SW 8310
Dibenz(a,h)anthracene	<0.21	ug/L	<0.21		04/25/2003		226	381	jrjw	DT	SW 8310

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 5 of 18

SAMPLE NO. 837772 **SAMPLE DESCRIPTION** HEM078:MW6:G041503 **DATE/TIME TAKEN** 04/15/2003 16:00

	Result		Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
	Units	Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference	
Fluoranthene	0.93 ug/L	<0.21		04/25/2003		226	381	jrw	DT	SW 8310	
Fluorene	2.79 ug/L	<1.06		04/25/2003		226	381	jrw	DT	SW 8310	
Indeno(1,2,3-cd)pyrene	<0.21 ug/L	<0.21		04/25/2003		226	381	jrw	DT	SW 8310	
Naphthalene	7.12 ug/L	<2.13		04/25/2003		226	381	jrw	DT	SW 8310	
Phenanthrene	2.83 ug/L	<1.06		04/25/2003		226	381	jrw	DT	SW 8310	
Pyrene	1.12 ug/L	<0.21		04/25/2003		226	381	jrw	DT	SW 8310	
Surrogate:Decafluorobiphenyl	80 %	4-80		04/25/2003		226	381	jrw	DT	SW 8310	

SAMPLE NO. 837773 **SAMPLE DESCRIPTION** HEM078:MW7:G041503 **DATE/TIME TAKEN** 04/15/2003 14:50

	Result		Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
	Units	Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference	
Cyanide Prep	Complete	Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)	
Cyanide, Total	0.098 mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)	
Solids, Total Dissolved	1,150 mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1	
ICPMS TOTAL METALS	Complete	Complete		04/21/2003	18:08		3787	ekh	DT	SW 6020	
Arsenic, ICPMS	0.0072 mg/L	<0.0050		04/21/2003	18:08	2542	5127	ekh	DT	SW 6020	
Barium, ICPMS	0.159 mg/L	<0.0050		04/21/2003	18:08	2542	5323	ekh	DT	SW 6020	
Cadmium, ICPMS	0.0012 mg/L	<0.0010		04/21/2003	18:08	2542	5012	ekh	DT	SW 6020	
Chromium, ICPMS	0.388 mg/L	<0.0020		04/21/2003	18:08	2542	5624	ekh	DT	SW 6020	
Cobalt, ICPMS	0.0092 mg/L	<0.0050		04/21/2003	18:08	2542	5293	ekh	DT	SW 6020	
Copper, ICPMS	0.287 mg/L	<0.0050		04/21/2003	18:08	2542	5179	ekh	DT	SW 6020	
Lead, ICPMS	0.0108 mg/L	<0.0010		04/21/2003	18:08	2542	5092	ekh	DT	SW 6020	
Mercury, CVAA	<0.0002 mg/L	<0.0002		04/24/2003	11:30	2122	2203	jlr	DT	SW 7470A	
Nickel, ICPMS	0.646 mg/L	<0.0050		04/21/2003	18:08	2542	5147	ekh	DT	SW 6020	
Selenium, GFAA	<0.0050 mg/L	<0.0050		04/28/2003		1007	777	lnh	DT	SW 7740	
Silver, ICPMS	<0.0005 mg/L	<0.0005		04/21/2003	18:08	2542	5379	ekh	DT	SW 6020	
Zinc, ICPMS	0.080 mg/L	<0.050		04/21/2003	18:08	2542	4982	ekh	DT	SW 6020	
Metals Digestion, ICPMS	Complete	Complete		04/18/2003	10:00	2542		mjs	DT	SW 3010A	
Metals Digestion, GFAA	Complete	Complete		04/22/2003		1007		mja	DT	SW 3020A	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 6 of 18

SAMPLE NO. 837773 **SAMPLE DESCRIPTION** HEM078:MW7:G041503 **DATE/TIME TAKEN** 04/15/2003 14:50

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Manual Mercury Digestion	Complete		Complete		04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep. 8310 Aqueous	SW 3520		Complete		04/18/2003		226		mfs	DT	
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		04/19/2003			5376	mrh	DT	
Acetone	<20.0	ug/L	<20.0		04/19/2003			5376	mrh	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/19/2003			5376	mrh	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/19/2003			5376	mrh	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/19/2003			5376	mrh	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/19/2003			5376	mrh	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
cis-1,2-Dichloroethene	64.6	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07891
Report Date: 04/30/2003
Page: 7 of 18

SAMPLE NO. 837773 **SAMPLE DESCRIPTION** HEM078:MW7:G041503 **DATE/TIME TAKEN** 04/15/2003 14:50

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		04/19/2003		5376	mrh	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/19/2003		5376	mrh	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Toluene	1.2	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Trichloroethene	14.8	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		04/19/2003		5376	mrh	DT	SW 8260B	
Vinyl Chloride	29.2	ug/L	<1.0		04/19/2003		5376	mrh	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 8 of 18

SAMPLE NO. 837773 **SAMPLE DESCRIPTION** HEM078:MW7:G041503 **DATE/TIME TAKEN** 04/15/2003 14:50

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Xylenes	<1.0	ug/L	<1.0		04/19/2003			5376	mrh	DT	SW 8260B
d4-1,2-Dichloroethane (surr)	99	%	80-120		04/19/2003			5376	mrh	DT	SW 8260B
Dibromofluoromethane (surr)	104	%	86-118		04/19/2003			5376	mrh	DT	SW 8260B
d8-Toluene (surr)	96	%	88-110		04/19/2003			5376	mrh	DT	SW 8260B
Bromofluorobenzene (surr)	94	%	86-115		04/19/2003			5376	mrh	DT	SW 8260B
PNA'S - EPA 8310 AQUEOUS											DT
Acenaphthene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Acenaphthylene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Anthracene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(b)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(ghi)perylene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(k)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Chrysene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Dibenz(a,h)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Fluoranthene	0.22	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Fluorene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Indeno(1,2,3-cd)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Naphthalene	<2.00	ug/L	<2.00		04/25/2003		226	381	jrjw	DT	SW 8310
Phenanthrene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Pyrene	0.34	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Surrogate:Decafluorobiphenyl	51	%	4-80		04/25/2003		226	381	jrjw	DT	SW 8310

SAMPLE NO. 837774 **SAMPLE DESCRIPTION** HEM078:MW8:G041503 **DATE/TIME TAKEN** 04/15/2003 11:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.053	mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07891
Report Date: 04/30/2003
Page: 9 of 18

SAMPLE NO. 837774 **SAMPLE DESCRIPTION** HEM078:MW8:G041503 **DATE/TIME TAKEN** 04/15/2003 11:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Solids, Total Dissolved	1,590	mg/L	<50		04/17/2003		1480	anp	DT	EPA 160.1	
ICPMS TOTAL METALS	Complete		Complete		04/21/2003	18:13	3787	ekh	DT	SW 6020	
Arsenic, ICPMS	<0.0050	mg/L	<0.0050		04/21/2003	18:13	2542	5127	ekh	DT	SW 6020
Barium, ICPMS	0.110	mg/L	<0.0050		04/21/2003	18:13	2542	5323	ekh	DT	SW 6020
Cadmium, ICPMS	0.0021	mg/L	<0.0010		04/21/2003	18:13	2542	5012	ekh	DT	SW 6020
Chromium, ICPMS	0.0286	mg/L	<0.0020		04/21/2003	18:13	2542	5624	ekh	DT	SW 6020
Cobalt, ICPMS	0.0058	mg/L	<0.0050		04/21/2003	18:13	2542	5293	ekh	DT	SW 6020
Copper, ICPMS	0.0383	mg/L	<0.0050		04/21/2003	18:13	2542	5179	ekh	DT	SW 6020
Lead, ICPMS	0.0035	mg/L	<0.0010		04/21/2003	18:13	2542	5092	ekh	DT	SW 6020
Mercury, CVAA	<0.0002	mg/L	<0.0002		04/24/2003	11:32	2122	2203	jlr	DT	SW 7470A
Nickel, ICPMS	0.152	mg/L	<0.0050		04/21/2003	18:13	2542	5147	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		04/28/2003		1007	777	lnh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		04/21/2003	18:13	2542	5379	ekh	DT	SW 6020
Zinc, ICPMS	0.074	mg/L	<0.050		04/21/2003	18:13	2542	4982	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete		Complete		04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		04/22/2003		1007		mja	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete		04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep, 8310 Aqueous	SW 3520		Complete		04/18/2003		226		mfs	DT	
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		04/26/2003		5410	jpp	DT		
Acetone	<20.0	ug/L	<20.0		04/26/2003		5410	jpp	DT	SW 8260B	
Benzene	2.2	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
tert-Butylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
sec-Butylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
n-Butylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Bromochloromethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Bromodichloromethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Bromoform	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Bromobenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW 8260B	
Carbon disulfide	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Carbon tetrachloride	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Chlorobenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07891
Report Date: 04/30/2003
Page: 10 of 18

SAMPLE NO. 837774 **SAMPLE DESCRIPTION** HEM078:MW8:G041503 **DATE/TIME TAKEN** 04/15/2003 11:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Chloroethane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
2-Chlorotoluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
4-Chlorotoluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Chloroform	2.4	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Chloromethane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Dibromochloromethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Dibromomethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
cis-1,2-Dichloroethene	216	ug/L	<50.0		04/26/2003		5403	eap	DT	SW 8260B	
trans-1,2-Dichloroethene	2.6	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 11 of 18

SAMPLE NO. 837774 **SAMPLE DESCRIPTION** HEM078:MW8:G041503 **DATE/TIME TAKEN** 04/15/2003 11:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Styrene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Tetrachloroethene	5.9	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Toluene	3.1	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Trichloroethene	460	ug/L	<50.0		04/26/2003			5403	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2,4-Trimethylbenzene	3.2	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,3,5-Trimethylbenzene	1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Vinyl Acetate	<5.0	ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
Vinyl Chloride	10.8	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Xylenes	1.6	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
d4-1,2-Dichloroethane(surr)	107	%	80-120		04/26/2003			5410	jpp	DT	SW 8260B
Dibromofluoromethane(surr)	104	%	86-118		04/26/2003			5410	jpp	DT	SW 8260B
d8-Toluene(surr)	102	%	88-110		04/26/2003			5410	jpp	DT	SW 8260B
Bromofluorobenzene(surr)	104	%	86-115		04/26/2003			5410	jpp	DT	SW 8260B
PNA'S - EPA 8310 AQUEOUS										DT	
Acenaphthene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Acenaphthylene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Anthracene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(b)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(ghi)perylene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(k)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Chrysene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Dibenz(a,h)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Fluoranthene	0.50	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Fluorene	1.96	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 12 of 18

SAMPLE NO. 837774 **SAMPLE DESCRIPTION** HEM078:MW8:G041503 **DATE/TIME TAKEN** 04/15/2003 11:30

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Indeno(1,2,3-cd)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310
Naphthalene	<2.00	ug/L	<2.00		04/25/2003		226	381	jrj	DT	SW 8310
Phenanthrene	1.16	ug/L	<1.00		04/25/2003		226	381	jrj	DT	SW 8310
Pyrene	0.60	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310
Surrogate:Decafluorobiphenyl	69	%	4-80		04/25/2003		226	381	jrj	DT	SW 8310

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 13 of 18

SAMPLE NO. 837775 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/15/2003

Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
		Limit	Flag							
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete		Complete	04/26/2003			5410	jpp	DT	
Acetone	<20.0 ug/L	<20.0		04/26/2003			5410	jpp	DT	SW 8260B
Benzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
tert-Butylbenzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
sec-Butylbenzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
n-Butylbenzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Bromochloromethane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Bromodichloromethane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Bromoform	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Bromobenzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
2-Butanone (MEK)	<12.5 ug/L	<12.5		04/26/2003			5410	jpp	DT	SW 8260B
Carbon disulfide	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Carbon tetrachloride	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Chlorobenzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Chloroethane	<5.0 ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
2-Chlorotoluene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
4-Chlorotoluene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Chloroform	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Chloromethane	<5.0 ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
Dibromochloromethane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Dibromomethane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Dichlorodifluoromethane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0 ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2-Dichlorobenzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,3-Dichlorobenzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,4-Dichlorobenzene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,1-Dichloroethane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2-Dichloroethane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,1-Dichloroethene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2-Dichloropropane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,3-Dichloropropane	<1.0 ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 14 of 18

SAMPLE NO. 837775 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/15/2003

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Toluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Trichloroethene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Xylenes	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
d4-1,2-Dichloroethane (surr)	105	%	80-120		04/26/2003		5410	jpp	DT	SW 8260B	
Dibromofluoromethane (surr)	102	%	86-118		04/26/2003		5410	jpp	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 15 of 18

SAMPLE NO. 837775 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/15/2003

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
d8-Toluene(surr)	97	%	88-110		04/26/2003			5410	jpp	DT	SW 8260B
Bromofluorobenzene(surr)	101	%	86-115		04/26/2003			5410	jpp	DT	SW 8260B

SAMPLE NO. 837794 **SAMPLE DESCRIPTION** HEM078:FB1:W041503 **DATE/TIME TAKEN** 04/15/2003 15:30

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/22/2003		2078		mlk	DT	EPA 335.2 (CLP-M)
Cyanide, Total	<0.005	mg/L	<0.005		04/23/2003		2078	2558	gcw	DT	EPA 335.2 (CLP-M)
Solids, Total Dissolved	<50	mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1
ICPMS TOTAL METALS	Complete		Complete		04/24/2003	13:21		3796	ekh	DT	SW 6020
Arsenic, ICPMS	<0.0050	mg/L	<0.0050		04/24/2003	13:21	2542	5137	ekh	DT	SW 6020
Barium, ICPMS	0.0165	mg/L	<0.0050		04/24/2003	13:21	2542	5333	ekh	DT	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		04/24/2003	13:21	2542	5022	ekh	DT	SW 6020
Chromium, ICPMS	<0.0020	mg/L	<0.0020		04/24/2003	13:21	2542	5633	ekh	DT	SW 6020
Cobalt, ICPMS	<0.0050	mg/L	<0.0050		04/24/2003	13:21	2542	5303	ekh	DT	SW 6020
Copper, ICPMS	<0.0050	mg/L	<0.0050		04/24/2003	13:21	2542	5188	ekh	DT	SW 6020
Lead, ICPMS	<0.0010	mg/L	<0.0010		04/24/2003	13:21	2542	5102	ekh	DT	SW 6020
Mercury, CVAA	<0.0002	mg/L	<0.0002		04/24/2003	11:49	2122	2203	jlr	DT	SW 7470A
Nickel, ICPMS	<0.0050	mg/L	<0.0050		04/24/2003	13:21	2542	5157	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		04/28/2003		1005	777	lnh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		04/24/2003	13:21	2542	5387	ekh	DT	SW 6020
Zinc, ICPMS	<0.050	mg/L	<0.050		04/24/2003	13:21	2542	4992	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete		Complete		04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		04/21/2003		1005		mja	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete		04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep, 8310 Aqueous	SW 3520		Complete		04/18/2003		226		mfs	DT	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07891
 Report Date: 04/30/2003
 Page: 16 of 18

SAMPLE NO. 837794 **SAMPLE DESCRIPTION** HEM078:FB1:W041503 **DATE/TIME TAKEN** 04/15/2003 15:30

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete			Complete	04/26/2003		5403	eap	DT	
Acetone	<20.0 ug/L	<20.0		04/26/2003		5403	eap	DT	SW 8260B	
Benzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
tert-Butylbenzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
sec-Butylbenzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
n-Butylbenzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Bromochloromethane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Bromodichloromethane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Bromoform	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Bromobenzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
2-Butanone (MEK)	<12.5 ug/L	<12.5		04/26/2003		5403	eap	DT	SW 8260B	
Carbon disulfide	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Carbon tetrachloride	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Chlorobenzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Chloroethane	<5.0 ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
2-Chlorotoluene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
4-Chlorotoluene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Chloroform	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Chloromethane	<5.0 ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
Dibromochloromethane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Dibromomethane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
Dichlorodifluoromethane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<5.0 ug/L	<5.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2-Dichlorobenzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,3-Dichlorobenzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,4-Dichlorobenzene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1-Dichloroethane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2-Dichloroethane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,1-Dichloroethene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
cis-1,2-Dichloroethene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
trans-1,2-Dichloroethene	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,2-Dichloropropane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	
1,3-Dichloropropane	<1.0 ug/L	<1.0		04/26/2003		5403	eap	DT	SW 8260B	

AFFIDAVIT

TestAmerica, Inc. (VAP Laboratory No. CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY

SS:

I, **B. Chris Weathington**, being first duly sworn according to law deposes and states that, to the best of my knowledge, information and belief:

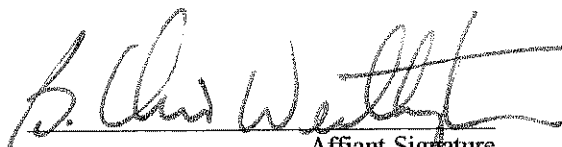

- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by **TestAmerica, Inc.** as **Laboratory Director** and was authorized to submit this affidavit on behalf of **TestAmerica, Inc.** for the attached report.
- 3) TestAmerica performed analysis for **Hull & Associates** concerning a voluntary action for the property located at **HEM078**.
- 4) TestAmerica was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by **TestAmerica**, for the purposes of conducting or completing the voluntary action at the referenced property, complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **03.07891**.
- 7) All information, data, documents and reports submitted by **TestAmerica**, identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) **TestAmerica** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3), in performing the analysis for **Hull & Associates** for the referenced property.

B. Chris Weathington

Further affiant sayeth naught

Sworn to before me this 30th day of April, 2003

Notary


Affiant Signature


DENISE MOHLER
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES
JUNE 7, 2005

TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07892
Report Date: 04/30/2003
Page: 1 of 18

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

Project: HEM078

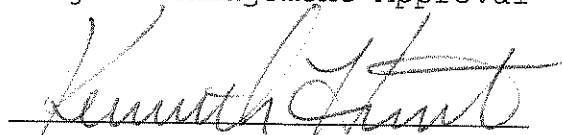
<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
837777	HEM078:MW1:G041503	04/15/2003	04/17/2003
837778	HEM078:MW2:G041503	04/15/2003	04/17/2003
837779	HEM078:MW3:G041503	04/15/2003	04/17/2003
837780	HEM078:MW5:G041503	04/15/2003	04/17/2003
837781	Trip Blank	04/15/2003	04/17/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval



TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 2 of 18

SAMPLE NO. 837777 **SAMPLE DESCRIPTION** HEM078:MW1:G041503 **DATE/TIME TAKEN** 04/15/2003 13:50

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.051	mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)
Solids, Total Dissolved	2,830	mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1
ICPMS TOTAL METALS	Complete		Complete		04/21/2003	18:18		3787	ekh	DT	SW 6020
Arsenic, ICPMS	<0.010	mg/L	<0.010		04/21/2003	18:18	2542	5127	ekh	DT	SW 6020
Barium, ICPMS	0.0551	mg/L	<0.0050		04/21/2003	18:18	2542	5323	ekh	DT	SW 6020
Cadmium, ICPMS	0.0124	mg/L	<0.0010		04/21/2003	18:18	2542	5012	ekh	DT	SW 6020
Chromium, ICPMS	0.0328	mg/L	<0.0020		04/21/2003	18:18	2542	5624	ekh	DT	SW 6020
Cobalt, ICPMS	0.0088	mg/L	<0.0050		04/21/2003	18:18	2542	5293	ekh	DT	SW 6020
Copper, ICPMS	0.0171	mg/L	<0.0050		04/21/2003	18:18	2542	5179	ekh	DT	SW 6020
Lead, ICPMS	0.0014	mg/L	<0.0010		04/21/2003	18:18	2542	5092	ekh	DT	SW 6020
Mercury, CVAA	<0.0002	mg/L	<0.0002		04/24/2003	11:38	2122	2203	jlr	DT	SW 7470A
Nickel, ICPMS	0.460	mg/L	<0.0050		04/21/2003	18:18	2542	5147	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		04/28/2003		1007	777	lnh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		04/21/2003	18:18	2542	5379	ekh	DT	SW 6020
Zinc, ICPMS	0.345	mg/L	<0.050		04/21/2003	18:18	2542	4982	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete		Complete		04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		04/22/2003		1007		mja	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete		04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep, 8310 Aqueous	SW 3520		Complete		04/18/2003		226		mfs	DT	
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete				04/28/2003					DT	
Acetone	<200	ug/L	<200		04/28/2003			5414	mrh	DT	
Benzene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
tert-Butylbenzene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
sec-Butylbenzene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
n-Butylbenzene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Bromochloromethane	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Bromodichloromethane	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Bromoform	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Bromobenzene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
2-Butanone (MEK)	<120	ug/L	<120		04/28/2003			5414	mrh	DT	SW 8260B
Carbon disulfide	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 3 of 18

SAMPLE NO. 837777 **SAMPLE DESCRIPTION** HEM078:MW1:G041503 **DATE/TIME TAKEN** 04/15/2003 13:50

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Chlorobenzene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Chloroethane	<50	ug/L	<50		04/28/2003		5414	mrh	DT	SW 8260B	
2-Chlorotoluene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
4-Chlorotoluene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Chloroform	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Chloromethane	<50	ug/L	<50		04/28/2003		5414	mrh	DT	SW 8260B	
Dibromochloromethane	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Dibromomethane	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Dichlorodifluoromethane	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<50	ug/L	<50		04/28/2003		5414	mrh	DT	SW 8260B	
1,2-Dichlorobenzene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
1,3-Dichlorobenzene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
1,4-Dichlorobenzene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
1,1-Dichloroethane	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
1,2-Dichloroethane	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
1,1-Dichloroethene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
cis-1,2-Dichloroethene	10,600	ug/L	<100		04/27/2003		5413	jpp	DT	SW 8260B	
trans-1,2-Dichloroethene	1,540	ug/L	<100		04/27/2003		5413	jpp	DT	SW 8260B	
1,2-Dichloropropane	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
1,3-Dichloropropane	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
2,2-Dichloropropane	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
1,1-Dichloropropene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
cis-1,3-Dichloropropene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
trans-1,3-Dichloropropene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Ethylbenzene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Hexachlorobutadiene	<50	ug/L	<50		04/28/2003		5414	mrh	DT	SW 8260B	
n-Hexane	<50	ug/L	<50		04/28/2003		5414	mrh	DT	SW 8260B	
2-Hexanone	<120	ug/L	<120		04/28/2003		5414	mrh	DT	SW 8260B	
Isopropylbenzene (Cumene)	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
p-Isopropyltoluene	<10	ug/L	<10		04/28/2003		5414	mrh	DT	SW 8260B	
Bromomethane	<50	ug/L	<50		04/28/2003		5414	mrh	DT	SW 8260B	
Methylene Chloride	<50	ug/L	<50		04/28/2003		5414	mrh	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<50	ug/L	<50		04/28/2003		5414	mrh	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07892
Report Date: 04/30/2003
Page: 4 of 18

SAMPLE NO. 837777 **SAMPLE DESCRIPTION** HEM078:MW1:G041503 **DATE/TIME TAKEN** 04/15/2003 13:50

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
4-Methyl-2-pentanone (MIBK)	<120	ug/L	<120		04/28/2003			5414	mrh	DT	SW 8260B
n-Propylbenzene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Styrene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Naphthalene	<50	ug/L	<50		04/28/2003			5414	mrh	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Tetrachloroethene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Toluene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
1,2,4-Trichlorobenzene	<50	ug/L	<50		04/28/2003			5414	mrh	DT	SW 8260B
1,1,1-Trichloroethane	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
1,1,2-Trichloroethane	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Trichloroethene	41.7	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Trichlorofluoromethane	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
1,2,3-Trichloropropane	<50	ug/L	<50		04/28/2003			5414	mrh	DT	SW 8260B
1,2,4-Trimethylbenzene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
1,3,5-Trimethylbenzene	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
Vinyl Acetate	<50	ug/L	<50		04/28/2003			5414	mrh	DT	SW 8260B
Vinyl Chloride	1,600	ug/L	<100		04/27/2003			5413	jpp	DT	SW 8260B
Xylenes	<10	ug/L	<10		04/28/2003			5414	mrh	DT	SW 8260B
d4-1,2-Dichloroethane (surr)	97	%	80-120		04/28/2003			5414	mrh	DT	SW 8260B
Dibromofluoromethane (surr)	103	%	86-118		04/28/2003			5414	mrh	DT	SW 8260B
d8-Toluene (surr)	97	%	88-110		04/28/2003			5414	mrh	DT	SW 8260B
Bromofluorobenzene (surr)	102	%	86-115	f	04/28/2003			5414	mrh	DT	SW 8260B
PNA'S - EPA 8310 AQUEOUS										DT	
Acenaphthene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrj	DT	SW 8310
Acenaphthylene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrj	DT	SW 8310
Anthracene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrj	DT	SW 8310
Benzo(a)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310
Benzo(a)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310
Benzo(b)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310
Benzo(ghi)perylene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310
Benzo(k)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310
Chrysene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310
Dibenz(a,h)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrj	DT	SW 8310

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

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07892
Report Date: 04/30/2003
Page: 5 of 18

SAMPLE NO. 837777 **SAMPLE DESCRIPTION** HEM078:MW1:G041503 **DATE/TIME TAKEN** 04/15/2003 13:50

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Fluorene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Indeno(1,2,3-cd)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Naphthalene	<2.00	ug/L	<2.00		04/25/2003		226	381	jrw	DT	SW 8310
Phenanthrene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Surrogate:Decafluorobiphenyl	62	%	4-80		04/25/2003		226	381	jrw	DT	SW 8310

SAMPLE NO. 837778 **SAMPLE DESCRIPTION** HEM078:MW2:G041503 **DATE/TIME TAKEN** 04/15/2003 14:10

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cyanide Prep	Complete		Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.030	mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)
Solids, Total Dissolved	2,330	mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1
ICPMS TOTAL METALS	Complete		Complete		04/21/2003	18:23		3787	ekh	DT	SW 6020
Arsenic, ICPMS	0.0159	mg/L	<0.0050		04/21/2003	18:23	2542	5127	ekh	DT	SW 6020
Barium, ICPMS	0.101	mg/L	<0.0050		04/21/2003	18:23	2542	5323	ekh	DT	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		04/21/2003	18:23	2542	5012	ekh	DT	SW 6020
Chromium, ICPMS	0.0059	mg/L	<0.0020		04/21/2003	18:23	2542	5624	ekh	DT	SW 6020
Cobalt, ICPMS	0.0086	mg/L	<0.0050		04/21/2003	18:23	2542	5293	ekh	DT	SW 6020
Copper, ICPMS	0.0224	mg/L	<0.0050		04/21/2003	18:23	2542	5179	ekh	DT	SW 6020
Lead, ICPMS	0.0019	mg/L	<0.0010		04/21/2003	18:23	2542	5092	ekh	DT	SW 6020
Mercury, CVAA	<0.0002	mg/L	<0.0002		04/24/2003	11:40	2122	2203	jlr	DT	SW 7470A
Nickel, ICPMS	0.914	mg/L	<0.0050		04/21/2003	18:23	2542	5147	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		04/28/2003		1007	777	inh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		04/21/2003	18:23	2542	5379	ekh	DT	SW 6020
Zinc, ICPMS	<0.050	mg/L	<0.050		04/21/2003	18:23	2542	4982	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete		Complete		04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		04/22/2003		1007		mja	DT	SW 3020A

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.07892
Report Date: 04/30/2003
Page: 6 of 18

SAMPLE NO. 837778 **SAMPLE DESCRIPTION** HEM078:MW2:G041503 **DATE/TIME TAKEN** 04/15/2003 14:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Manual Mercury Digestion	Complete		Complete		04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep, 8310 Aqueous	SW 3520		Complete		04/18/2003		226		mfs	DT	
VOLATILE COMPOUNDS - 8260 (AQ)											DT
8260 - SW846 (AQ)	Complete		Complete		04/19/2003			5381	eap	DT	
Acetone	<20.0	ug/L	<20.0		04/19/2003			5381	eap	DT	SW 8260B
Benzene	3.2	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/19/2003			5381	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
cis-1,2-Dichloroethene	125	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 7 of 18

SAMPLE NO. 837778 **SAMPLE DESCRIPTION** HEM078:MW2:G041503 **DATE/TIME TAKEN** 04/15/2003 14:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
trans-1,2-Dichloroethene	4.6	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
n-Hexane	6.7	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/19/2003			5381	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
Methylene Chloride	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/19/2003			5381	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Tetrachloroethene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Trichloroethene	1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Vinyl Acetate	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
Vinyl Chloride	154	ug/L	<50		04/19/2003			5376	mrh	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 8 of 18

SAMPLE NO. 837778 **SAMPLE DESCRIPTION** HEM078:MW2:G041503 **DATE/TIME TAKEN** 04/15/2003 14:10

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Xylenes	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
d4-1,2-Dichloroethane (surr)	91	%	80-120		04/19/2003			5381	eap	DT	SW 8260B
Dibromofluoromethane (surr)	96	%	86-118		04/19/2003			5381	eap	DT	SW 8260B
d8-Toluene (surr)	98	%	88-110		04/19/2003			5381	eap	DT	SW 8260B
Bromofluorobenzene (surr)	99	%	86-115		04/19/2003			5381	eap	DT	SW 8260B
PNA'S - EPA 8310 AQUEOUS											
Acenaphthene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Acenaphthylene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Anthracene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Benzo(a)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Benzo(a)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Benzo(b)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Benzo(ghi)perylene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Benzo(k)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Chrysene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Dibenz(a,h)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Fluorene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Indeno(1,2,3-cd)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Naphthalene	<2.00	ug/L	<2.00		04/25/2003		226	381	jrw	DT	SW 8310
Phenanthrene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrw	DT	SW 8310
Pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrw	DT	SW 8310
Surrogate:Decafluorobiphenyl	70	%	4-80		04/25/2003		226	381	jrw	DT	SW 8310

SAMPLE NO. 837779 **SAMPLE DESCRIPTION** HEM078:MW3:G041503 **DATE/TIME TAKEN** 04/15/2003 13:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.023	mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 9 of 18

SAMPLE NO. 837779 **SAMPLE DESCRIPTION** HEM078:MW3:G041503 **DATE/TIME TAKEN** 04/15/2003 13:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Solids, Total Dissolved	1,690	mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1
ICPMS TOTAL METALS	Complete		Complete		04/21/2003	18:28		3787	ekh	DT	SW 6020
Arsenic, ICPMS	0.0151	mg/L	<0.0050		04/21/2003	18:28	2542	5127	ekh	DT	SW 6020
Barium, ICPMS	0.289	mg/L	<0.0050		04/21/2003	18:28	2542	5323	ekh	DT	SW 6020
Cadmium, ICPMS	<0.002	mg/L	<0.0020		04/21/2003	18:28	2542	5012	ekh	DT	SW 6020
Chromium, ICPMS	0.0311	mg/L	<0.0020		04/21/2003	18:28	2542	5624	ekh	DT	SW 6020
Cobalt, ICPMS	0.0128	mg/L	<0.0050		04/21/2003	18:28	2542	5293	ekh	DT	SW 6020
Copper, ICPMS	<0.0050	mg/L	<0.0050		04/21/2003	18:28	2542	5179	ekh	DT	SW 6020
Lead, ICPMS	0.0032	mg/L	<0.0010		04/21/2003	18:28	2542	5092	ekh	DT	SW 6020
Mercury, CVAA	<0.0002	mg/L	<0.0002		04/24/2003	11:41	2122	2203	jlr	DT	SW 7470A
Nickel, ICPMS	0.171	mg/L	<0.0050		04/21/2003	18:28	2542	5147	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		04/28/2003		1007	777	lnh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		04/21/2003	18:28	2542	5379	ekh	DT	SW 6020
Zinc, ICPMS	0.334	mg/L	<0.050		04/21/2003	18:28	2542	4982	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete		Complete		04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		04/22/2003		1007		mja	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete		04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep, 8310 Aqueous	SW 3520		Complete		04/18/2003		226		mfs	DT	
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		04/19/2003			5381	eap	DT	
Acetone	<20.0	ug/L	<20.0		04/19/2003			5381	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/19/2003			5381	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 10 of 18

SAMPLE NO. 837779 **SAMPLE DESCRIPTION** HEM078:MW3:G041503 **DATE/TIME TAKEN** 04/15/2003 13:00

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Chloroethane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		04/19/2003			5381	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
Methylene Chloride	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/19/2003			5381	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 11 of 18

SAMPLE NO. 837779 **SAMPLE DESCRIPTION** HEM078:MW3:G041503 **DATE/TIME TAKEN** 04/15/2003 13:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Styrene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Tetrachloroethene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Trichloroethene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Vinyl Acetate	<5.0	ug/L	<5.0		04/19/2003			5381	eap	DT	SW 8260B
Vinyl Chloride	1.1	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
Xylenes	<1.0	ug/L	<1.0		04/19/2003			5381	eap	DT	SW 8260B
d4-1,2-Dichloroethane (surr)	92	%	80-120		04/19/2003			5381	eap	DT	SW 8260B
Dibromofluoromethane (surr)	96	%	86-118		04/19/2003			5381	eap	DT	SW 8260B
d8-Toluene (surr)	96	%	88-110		04/19/2003			5381	eap	DT	SW 8260B
Bromofluorobenzene (surr)	99	%	86-115		04/19/2003			5381	eap	DT	SW 8260B
PNA'S - EPA 8310 AQUEOUS											
Acenaphthene	<1.08	ug/L	<1.08		04/25/2003		226	381	jrjw	DT	SW 8310
Acenaphthylene	<1.08	ug/L	<1.08		04/25/2003		226	381	jrjw	DT	SW 8310
Anthracene	<1.08	ug/L	<1.08		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)anthracene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)pyrene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(b)fluoranthene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(ghi)perylene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(k)fluoranthene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrjw	DT	SW 8310
Chrysene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrjw	DT	SW 8310
Dibenz(a,h)anthracene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrjw	DT	SW 8310
Fluoranthene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrjw	DT	SW 8310
Fluorene	<1.08	ug/L	<1.08		04/25/2003		226	381	jrjw	DT	SW 8310

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 12 of 18

SAMPLE NO. 837779 **SAMPLE DESCRIPTION** HEM078:MW3:G041503 **DATE/TIME TAKEN** 04/15/2003 13:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Indeno(1,2,3-cd)pyrene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrw	DT	SW 8310
Naphthalene	<2.15	ug/L	<2.15		04/25/2003		226	381	jrw	DT	SW 8310
Phenanthrene	<1.08	ug/L	<1.08		04/25/2003		226	381	jrw	DT	SW 8310
Pyrene	<0.22	ug/L	<0.22		04/25/2003		226	381	jrw	DT	SW 8310
Surrogate:Decafluorobiphenyl	72	%	4-80		04/25/2003		226	381	jrw	DT	SW 8310

SAMPLE NO. 837780 **SAMPLE DESCRIPTION** HEM078:MW5:G041503 **DATE/TIME TAKEN** 04/15/2003 16:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Cyanide Prep	Complete		Complete		04/22/2003		2077		jmg	DT	EPA 335.2 (CLP-M)
Cyanide, Total	0.029	mg/L	<0.005		04/22/2003		2077	2557	gcw	DT	EPA 335.2 (CLP-M)
Solids, Total Dissolved	692	mg/L	<50		04/17/2003			1480	anp	DT	EPA 160.1
ICPMS TOTAL METALS	Complete		Complete		04/21/2003	18:33		3787	ekh	DT	SW 6020
Arsenic, ICPMS	<0.0050	mg/L	<0.0050		04/21/2003	18:33	2542	5127	ekh	DT	SW 6020
Barium, ICPMS	0.136	mg/L	<0.0050		04/21/2003	18:33	2542	5323	ekh	DT	SW 6020
Cadmium, ICPMS	0.0102	mg/L	<0.0010		04/21/2003	18:33	2542	5012	ekh	DT	SW 6020
Chromium, ICPMS	0.171	mg/L	<0.0020		04/21/2003	18:33	2542	5624	ekh	DT	SW 6020
Cobalt, ICPMS	0.0083	mg/L	<0.0050		04/21/2003	18:33	2542	5293	ekh	DT	SW 6020
Copper, ICPMS	0.092	mg/L	<0.0050		04/21/2003	18:33	2542	5179	ekh	DT	SW 6020
Lead, ICPMS	0.0077	mg/L	<0.0010		04/21/2003	18:33	2542	5092	ekh	DT	SW 6020
Mercury,CVAA	<0.0002	mg/L	<0.0002		04/24/2003	11:47	2122	2203	jlr	DT	SW 7470A
Nickel, ICPMS	0.119	mg/L	<0.0050		04/21/2003	18:33	2542	5147	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		04/28/2003		1007	777	lnh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		04/21/2003	18:33	2542	5379	ekh	DT	SW 6020
Zinc, ICPMS	0.146	mg/L	<0.050		04/21/2003	18:33	2542	4982	ekh	DT	SW 6020
Metals Digestion, ICPMS	Complete		Complete	AC	04/18/2003	10:00	2542		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete	AC	04/22/2003		1007		mja	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete	AC	04/23/2003	10:30	2122		epk	DT	SW 7470A
Prep, 8310 Aqueous	SW 3520		Complete		04/18/2003		226		mfs	DT	

A - Sample was not sufficiently preserved at time of collection.

C- Sample was preserved at the laboratory.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 13 of 18

SAMPLE NO. 837780 **SAMPLE DESCRIPTION** HEM078:MW5:G041503 **DATE/TIME TAKEN** 04/15/2003 16:40

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete			04/27/2003			5413	jpp	DT	
Acetone	<100 ug/L	<100		04/27/2003			5413	jpp	DT	SW 8260B
Benzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
tert-Butylbenzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
sec-Butylbenzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
n-Butylbenzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Bromochloromethane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Bromodichloromethane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Bromoform	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Bromobenzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
2-Butanone (MEK)	<62 ug/L	<62		04/27/2003			5413	jpp	DT	SW 8260B
Carbon disulfide	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Carbon tetrachloride	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Chlorobenzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Chloroethane	<25 ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
2-Chlorotoluene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
4-Chlorotoluene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Chloroform	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Chloromethane	<25 ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
Dibromochloromethane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Dibromomethane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Dichlorodifluoromethane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<25 ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
1,2-Dichlorobenzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,3-Dichlorobenzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,4-Dichlorobenzene	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,1-Dichloroethane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,2-Dichloroethane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,1-Dichloroethene	8.2 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
cis-1,2-Dichloroethene	2,060 ug/L	<50.0		04/27/2003			5413	jpp	DT	SW 8260B
trans-1,2-Dichloroethene	18.4 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,2-Dichloropropane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,3-Dichloropropane	<5.0 ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 14 of 18

SAMPLE NO. 837780 **SAMPLE DESCRIPTION** HEM078:MW5:G041503 **DATE/TIME TAKEN** 04/15/2003 16:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
2,2-Dichloropropane	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,1-Dichloropropene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
cis-1,3-Dichloropropene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
trans-1,3-Dichloropropene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Ethylbenzene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Hexachlorobutadiene	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
n-Hexane	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
2-Hexanone	<62	ug/L	<62		04/27/2003			5413	jpp	DT	SW 8260B
Isopropylbenzene (Cumene)	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
p-Isopropyltoluene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Bromomethane	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
Methylene Chloride	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
Methyl t-butyl ether (MTBE)	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<62	ug/L	<62		04/27/2003			5413	jpp	DT	SW 8260B
n-Propylbenzene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Styrene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Naphthalene	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Tetrachloroethene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Toluene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,2,4-Trichlorobenzene	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
1,1,1-Trichloroethane	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,1,2-Trichloroethane	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Trichloroethene	1,420	ug/L	<50.0		04/27/2003			5413	jpp	DT	SW 8260B
Trichlorofluoromethane	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,2,3-Trichloropropane	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
1,2,4-Trimethylbenzene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
1,3,5-Trimethylbenzene	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Vinyl Acetate	<25	ug/L	<25		04/27/2003			5413	jpp	DT	SW 8260B
Vinyl Chloride	80.4	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
Xylenes	<5.0	ug/L	<5.0		04/27/2003			5413	jpp	DT	SW 8260B
d4-1,2-Dichloroethane (surr)	98	%	80-120		04/27/2003			5413	jpp	DT	SW 8260B
Dibromofluoromethane (surr)	101	%	86-118		04/27/2003			5413	jpp	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 15 of 18

SAMPLE NO. 837780 **SAMPLE DESCRIPTION** HEM078:MW5:G041503 **DATE/TIME TAKEN** 04/15/2003 16:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
d8-Toluene (surr)	98	%	88-110		04/27/2003			5413	jpp	DT	SW 8260B
Bromofluorobenzene (surr)	102	%	86-115	f	04/27/2003			5413	jpp	DT	SW 8260B
PNA'S - EPA 8310 AQUEOUS											
Acenaphthene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Acenaphthylene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Anthracene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(a)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(b)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(ghi)perylene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Benzo(k)fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Chrysene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Dibenz(a,h)anthracene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Fluoranthene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Fluorene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Indeno(1,2,3-cd)pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Naphthalene	<2.00	ug/L	<2.00		04/25/2003		226	381	jrjw	DT	SW 8310
Phenanthrene	<1.00	ug/L	<1.00		04/25/2003		226	381	jrjw	DT	SW 8310
Pyrene	<0.20	ug/L	<0.20		04/25/2003		226	381	jrjw	DT	SW 8310
Surrogate:Decafluorobiphenyl	33	%	4-80		04/25/2003		226	381	jrjw	DT	SW 8310

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

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 16 of 18

SAMPLE NO. 837781 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/15/2003

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		04/26/2003			5410	jpp	DT	
Acetone	<20.0	ug/L	<20.0		04/26/2003			5410	jpp	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		04/26/2003			5410	jpp	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Chloroform	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Chloromethane	<5.0	ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
Dibromochloromethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Dibromomethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003			5410	jpp	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 17 of 18

SAMPLE NO. 837781 **SAMPLE DESCRIPTION** Trip Blank **DATE/TIME TAKEN** 04/15/2003

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
2,2-Dichloropropane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		04/26/2003		5410	jpp	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Toluene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Trichloroethene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		04/26/2003		5410	jpp	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
Xylenes	<1.0	ug/L	<1.0		04/26/2003		5410	jpp	DT	SW 8260B	
d4-1,2-Dichloroethane (surr)	105	µ	80-120		04/26/2003		5410	jpp	DT	SW 8260B	
Dibromofluoromethane (surr)	104	µ	86-118		04/26/2003		5410	jpp	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.07892
 Report Date: 04/30/2003
 Page: 18 of 18

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN										
837781	Trip Blank	04/15/2003										
		Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
d8-Toluene(surr)		99	%	88-110		04/26/2003			5410	jpp	DT	SW 8260B
Bromofluorobenzene(surr)		101	%	86-115		04/26/2003			5410	jpp	DT	SW 8260B

AFFIDAVIT

TestAmerica, Inc. (VAP Laboratory No. CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY

SS:

I, **B. Chris Weathington**, being first duly sworn according to law deposes and states that, to the best of my knowledge, information and belief:

- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by **TestAmerica, Inc.** as **Laboratory Director** and was authorized to submit this affidavit on behalf of **TestAmerica, Inc.** for the attached report.
- 3) TestAmerica performed analysis for **Hull & Associates** concerning a voluntary action for the property located at **HEM078**.
- 4) TestAmerica was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by **TestAmerica**, for the purposes of conducting or completing the voluntary action at the referenced property, complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **03.07892**.
- 7) All information, data, documents and reports submitted by **TestAmerica**, identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) **TestAmerica** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3), in performing the analysis for **Hull & Associates** for the referenced property.

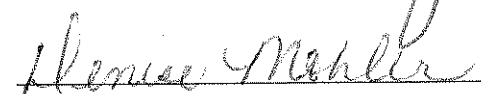
B. Chris Weathington

Further affiant sayeth naught

Sworn to before me this 30th day of April, 2003

Notary


Affiant Signature



DENISE MOHLER
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES
JUNE 7, 2005

TestAmerica Analytical Testing Corporation

Eric Wilburn
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.09776
Report Date: 05/15/2003
Page: 1 of 10

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

Project: HEM078

<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
843840	HEM078:MW13:G051003:598	05/10/2003	05/12/2003
843841	HEM078:MW13:G051003D:598	05/10/2003	05/12/2003
843890	HEM078:Trip Blank	05/10/2003	05/12/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval



TestAmerica Analytical Testing Corporation

Analytical Report

Eric Wilburn
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.09776
Report Date: 05/15/2003
Page: 2 of 10

SAMPLE NO. 843840 **SAMPLE DESCRIPTION** HEM078:MW13:G051003:598 **DATE/TIME TAKEN** 05/10/2003 11:30

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Solids, Total Dissolved	837	mg/L	<50		05/13/2003		1493	eap	DT	EPA 160.1	
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		05/14/2003		5469	eap	DT		
Acetone	<20.0	ug/L	<20.0		05/14/2003		5469	eap	DT	SW 8260B	
Benzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
tert-Butylbenzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
sec-Butylbenzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
n-Butylbenzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Bromochloromethane	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Bromodichloromethane	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Bromoform	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Bromobenzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
2-Butanone (MEK)	<12.5	ug/L	<12.5		05/14/2003		5469	eap	DT	SW 8260B	
Carbon disulfide	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Carbon tetrachloride	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Chlorobenzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Chloroethane	<5.0	ug/L	<5.0		05/14/2003		5469	eap	DT	SW 8260B	
2-Chlorotoluene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
4-Chlorotoluene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Chloroform	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Chloromethane	<5.0	ug/L	<5.0		05/14/2003		5469	eap	DT	SW 8260B	
Dibromochloromethane	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Dibromomethane	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
Dichlorodifluoromethane	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		05/14/2003		5469	eap	DT	SW 8260B	
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
cis-1,2-Dichloroethene	3.7	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		05/14/2003		5469	eap	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Eric Wilburn
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.09776
 Report Date: 05/15/2003
 Page: 3 of 10

SAMPLE NO. 843840 **SAMPLE DESCRIPTION** HEM078:MW13:G051003:598 **DATE/TIME TAKEN** 05/10/2003 11:30

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
1,2-Dichloropropane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1-Dichloropropene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
2-Nonene	<12.5	ug/L	<12.5		05/14/2003			5469	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
p-Isopropyltoluene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromomethane	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
Methylene Chloride	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		05/14/2003			5469	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Tetrachloroethene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Trichloroethene	2.5	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Vinyl Acetate	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
Vinyl Chloride	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Xylenes	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Eric Wilburn
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.09776
 Report Date: 05/15/2003
 Page: 5 of 10

SAMPLE NO. 843841 **SAMPLE DESCRIPTION** HEM078:MW13:G051003D:598 **DATE/TIME TAKEN** 05/10/2003 11:40

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete		Complete	05/14/2003			5469	eap	DT	
Acetone	<20.0 ug/L	<20.0		05/14/2003			5469	eap	DT	SW 8260B
Benzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
tert-Butylbenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
sec-Butylbenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
n-Butylbenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromochloromethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromodichloromethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromoform	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5 ug/L	<12.5		05/14/2003			5469	eap	DT	SW 8260B
Carbon disulfide	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Carbon tetrachloride	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Chlorobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Chloroethane	<5.0 ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
2-Chlorotoluene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
4-Chlorotoluene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Chloroform	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Chloromethane	<5.0 ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
Dibromochloromethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Dibromomethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0 ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
cis-1,2-Dichloroethene	3.8 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Eric Wilburn
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.09776
 Report Date: 05/15/2003
 Page: 6 of 10

SAMPLE NO. 843841 **SAMPLE DESCRIPTION** HEM078:MW13:G051003D:598 **DATE/TIME TAKEN** 05/10/2003 11:40

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
2,2-Dichloropropane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1-Dichloropropene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Ethylbenzene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
n-Hexane	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
2-Hexanone	<12.5	ug/L	<12.5		05/14/2003			5469	eap	DT	SW 8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
p-ropyltoluene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromoethane	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
Methylene Chloride	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		05/14/2003			5469	eap	DT	SW 8260B
n-Propylbenzene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Styrene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Naphthalene	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Tetrachloroethene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Toluene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Trichloroethene	2.6	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Trichlorofluoromethane	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Vinyl Acetate	<5.0	ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
Vinyl Chloride	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Xylenes	<1.0	ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
d4-1,2-Dichloroethane (surr)	107	%	80-120		05/14/2003			5469	eap	DT	SW 8260B
Dibromofluoromethane (surr)	103	%	86-118		05/14/2003			5469	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Eric Wilburn
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.09776
 Report Date: 05/15/2003
 Page: 7 of 10

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
843841	HEM078:MW13:G051003D:598	05/10/2003 11:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
d8-Toluene(surr)	100	%	88-110		05/14/2003			5469	eap	DT	SW 8260B
Bromofluorobenzene(surr)	99	%	86-115		05/14/2003			5469	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Eric Wilburn
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.09776
Report Date: 05/15/2003
Page: 8 of 10

SAMPLE NO. 843890 **SAMPLE DESCRIPTION** HEM078:Trip Blank **DATE/TIME TAKEN** 05/10/2003

Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
		Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete		Complete	05/14/2003			5469	eap		DT
Acetone	<20.0 ug/L	<20.0		05/14/2003			5469	eap	DT	SW 8260B
Benzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
tert-Butylbenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
sec-Butylbenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
n-Butylbenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromochloromethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromodichloromethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromoform	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Bromobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5 ug/L	<12.5		05/14/2003			5469	eap	DT	SW 8260B
Carbon disulfide	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Carbon tetrachloride	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Chlorobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Chloroethane	<5.0 ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
2-Chlorotoluene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
4-Chlorotoluene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Chloroform	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Chloromethane	<5.0 ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
Dibromochloromethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Dibromomethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
Dichlorodifluoromethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2-Dibromo-3-chloropropane	<5.0 ug/L	<5.0		05/14/2003			5469	eap	DT	SW 8260B
1,2-Dichlorobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,3-Dichlorobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,4-Dichlorobenzene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1-Dichloroethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2-Dichloroethane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,1-Dichloroethene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
cis-1,2-Dichloroethene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
trans-1,2-Dichloroethene	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,2-Dichloropropane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B
1,3-Dichloropropane	<1.0 ug/L	<1.0		05/14/2003			5469	eap	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Eric Wilburn
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.09776
Report Date: 05/15/2003
Page: 10 of 10

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
843890	HEM078:Trip Blank	05/10/2003

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
d8-Toluene(surr)	97	%	88-110		05/14/2003			5469	eap	DT	SW 8260B
Bromofluorobenzene(surr)	100	%	86-115		05/14/2003			5469	eap	DT	SW 8260B

AFFIDAVIT

TestAmerica, Inc. (VAP Laboratory No. CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY

SS:

I, **B. Chris Weathington**, being first duly sworn according to law deposes and states that, to the best of my knowledge, information and belief:

- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by **TestAmerica, Inc.** as **Laboratory Director** and was authorized to submit this affidavit on behalf of **TestAmerica, Inc.** for the attached report.
- 3) TestAmerica performed analysis for **Hull & Associates** concerning a voluntary action for the property located at **HEM078**.
- 4) TestAmerica was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by **TestAmerica**, for the purposes of conducting or completing the voluntary action at the referenced property, complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **03.09776**.
- 7) All information, data, documents and reports submitted by **TestAmerica**, identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) **TestAmerica** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3), in performing the analysis for **Hull & Associates** for the referenced property.

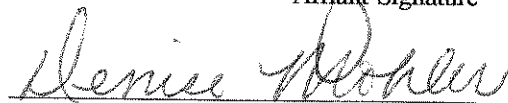
B. Chris Weathington

Further affiant sayeth naught

Sworn to before me this 16th day of May, 2003

Notary


Affiant Signature



DENISE MOHLER
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES
JUNE 7, 2005

TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.10387
Report Date: 05/23/2003
Page: 1 of 10

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

Project: HEM078

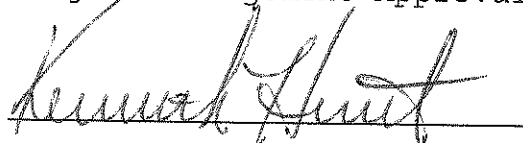
<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
845793	HEM078:MW12D:G051503:572	05/15/2003	05/19/2003
845796	HEM078:MW13D:G051503:572	05/15/2003	05/19/2003
845797	HEM078:Trip Blank	05/15/2003	05/19/2003

The Quality Control report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed.

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

Enclosure

Project Management Approval



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

MAY 27 REC'D

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10387
 Report Date: 05/23/2003
 Page: 2 of 10

SAMPLE NO. 845793 **SAMPLE DESCRIPTION** HEM078:MW12D:G051503:572 **DATE/TIME TAKEN** 05/15/2003 14:45

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP TOTAL METALS	Complete		Complete		05/21/2003	17:26		3288	epk	DT	SW 6010B
ICPMS TOTAL METALS	Complete		Complete		05/22/2003	14:50		3858	ekh	DT	SW 6020
Arsenic, ICPMS	0.0225	mg/L	<0.0050		05/22/2003	01:56	2582	5211	ekh	DT	SW 6020
Barium, ICPMS	0.164	mg/L	<0.0050		05/22/2003	01:56	2582	5407	ekh	DT	SW 6020
Cadmium, ICPMS	0.0096	mg/L	<0.0010		05/22/2003	01:56	2582	5095	ekh	DT	SW 6020
Chromium, ICPMS	0.648	mg/L	<0.0020		05/22/2003	01:56	2582	5705	ekh	DT	SW 6020
Cobalt, ICPMS	0.0145	mg/L	<0.0050		05/22/2003	01:56	2582	5368	ekh	DT	SW 6020
Copper, ICPMS	0.468	mg/L	<0.0050		05/22/2003	01:56	2582	5258	ekh	DT	SW 6020
Lead, ICPMS	0.0374	mg/L	<0.0010		05/22/2003	01:56	2582	5176	ekh	DT	SW 6020
Mercury, CVAA	<0.0002	mg/L	<0.0002		05/22/2003	10:23	2156	2233	jlr	DT	SW 7470A
Nickel, ICPMS	0.307	mg/L	<0.0050		05/22/2003	01:56	2582	5224	ekh	DT	SW 6020
Selenium, GFAA	0.0057	mg/L	<0.0050		05/23/2003		1018	787	lnh	DT	SW 7740
Silver, ICPMS	0.0015	mg/L	<0.0005		05/22/2003	01:56	2582	5454	ekh	DT	SW 6020
Sodium, ICP	37.2	mg/L	<1.0		05/21/2003	17:26	3653	4342	epk	DT	SW 6010B
Zinc, ICPMS	0.577	mg/L	<0.050		05/22/2003	14:50	2582	5060	ekh	DT	SW 6020
Metals Digestion, ICP	Complete		Complete		05/20/2003		3653		mja	DT	SW 3010A
Metals Digestion, ICPMS	Complete		Complete		05/21/2003	12:30	2582		emd	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		05/22/2003		1018		mja	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete		05/21/2003	11:00	2156		jlr	DT	SW 7470A
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		05/20/2003					DT	
Acetone	<20.0	ug/L	<20.0		05/20/2003			5503	mrh	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		05/20/2003			5503	mrh	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		05/20/2003			5503	mrh	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10387
 Report Date: 05/23/2003
 Page: 3 of 10

SAMPLE NO. 845793 **SAMPLE DESCRIPTION** HEM078:MW12D:G051503:572 **DATE/TIME TAKEN** 05/15/2003 14:45

	Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Chlorobenzene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
Chloroethane	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW	8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
Chloroform	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
Chloromethane	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW	8260B
Dibromochloromethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
Dibromomethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
Dichlorodifluoromethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW	8260B
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,1-Dichloroethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,2-Dichloroethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,1-Dichloroethene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
cis-1,2-Dichloroethene	4.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,2-Dichloropropane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,3-Dichloropropane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
2,2-Dichloropropane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
1,1-Dichloropropene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
Ethylbenzene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
Hexachlorobutadiene	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW	8260B
n-Hexane	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW	8260B
2-Hexanone	<12.5	ug/L	<12.5		05/20/2003		5503	mrh	DT	SW	8260B
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
p-Isopropyltoluene	3.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW	8260B
Bromomethane	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW	8260B
Methylene Chloride	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW	8260B
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW	8260B
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		05/20/2003		5503	mrh	DT	SW	8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10387
 Report Date: 05/23/2003
 Page: 4 of 10

SAMPLE NO. 845793 **SAMPLE DESCRIPTION** HEM078:MW12D:G051503:572 **DATE/TIME TAKEN** 05/15/2003 14:45

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
n-Propylbenzene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
Tetrachloroethene	2.5	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
Toluene	1.6	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
Trichloroethene	3.6	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW 8260B	
1,2,4-Trimethylbenzene	2.5	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		05/20/2003		5503	mrh	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
Xylenes	1.6	ug/L	<1.0		05/20/2003		5503	mrh	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	99	%	80-120		05/20/2003		5503	mrh	DT	SW 8260B	
Dibromofluoromethane(surr)	99	%	86-118		05/20/2003		5503	mrh	DT	SW 8260B	
d8-Toluene(surr)	99	%	88-110		05/20/2003		5503	mrh	DT	SW 8260B	
Bromofluorobenzene(surr)	96	%	86-115		05/20/2003		5503	mrh	DT	SW 8260B	

SAMPLE NO. 845796 **SAMPLE DESCRIPTION** HEM078:MW13D:G051503:572 **DATE/TIME TAKEN** 05/15/2003 13:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
ICP TOTAL METALS	Complete		Complete		05/23/2003	13:56		3291	epk	DT	SW 6010B
ICPMS TOTAL METALS	Complete		Complete		05/22/2003	14:56		3858	ekh	DT	SW 6020
Arsenic, ICPMS	0.192	mg/L	<0.0050		05/22/2003	14:56	2582	5212	ekh	DT	SW 6020

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10387
 Report Date: 05/23/2003
 Page: 5 of 10

SAMPLE NO. 845796 **SAMPLE DESCRIPTION** HEM078:MW13D:G051503:572 **DATE/TIME TAKEN** 05/15/2003 13:00

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Barium, ICPMS	1.65	mg/L	<0.0050		05/22/2003	14:56	2582	5408	ekh	DT	SW 6020
Cadmium, ICPMS	<0.010	mg/L	<0.0010	O	05/22/2003	14:56	2582	5096	ekh	DT	SW 6020
Chromium, ICPMS	0.141	mg/L	<0.0020		05/22/2003	14:56	2582	5706	ekh	DT	SW 6020
Cobalt, ICPMS	0.0354	mg/L	<0.0050		05/22/2003	14:56	2582	5369	ekh	DT	SW 6020
Copper, ICPMS	0.178	mg/L	<0.0050		05/22/2003	14:56	2582	5259	ekh	DT	SW 6020
Lead, ICPMS	0.981	mg/L	<0.0010		05/22/2003	14:56	2582	5177	ekh	DT	SW 6020
Mercury, CVAA	0.0005	mg/L	<0.0002		05/22/2003	10:25	2156	2233	jlr	DT	SW 7470A
Nickel, ICPMS	0.188	mg/L	<0.0050		05/22/2003	14:56	2582	5225	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		05/23/2003		1018	787	lnh	DT	SW 7740
Silver, ICPMS	<0.005	mg/L	<0.0005	O	05/22/2003	14:56	2582	5455	ekh	DT	SW 6020
Sodium, ICP	466	mg/L	<20.0		05/23/2003	13:56	3653	4345	epk	DT	SW 6010B
Zinc, ICPMS	0.908	mg/L	<0.050		05/22/2003	14:56	2582	5060	ekh	DT	SW 6020
Metals Digestion, ICP	Complete		Complete	AC	05/20/2003		3653		mja	DT	SW 3010A
Metals Digestion, ICPMS	Complete		Complete		05/21/2003	12:30	2582		emd	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete	AC	05/22/2003		1018		mja	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete	AC	05/21/2003	11:00	2156		jlr	DT	SW 7470A
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		05/21/2003			5506	eap	DT	
Acetone	36.7	ug/L	<20.0		05/21/2003			5506	eap	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
Bromodichloromethane	1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		05/21/2003			5506	eap	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		05/21/2003			5506	eap	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		05/21/2003			5506	eap	DT	SW 8260B

A - Sample was not sufficiently preserved at time of collection.
 C - Sample was preserved at the laboratory.
 O - Elevated reporting limit due to sample matrix.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10387
 Report Date: 05/23/2003
 Page: 6 of 10

SAMPLE NO. 845796 **SAMPLE DESCRIPTION** HEM078:MW13D:G051503:572 **DATE/TIME TAKEN** 05/15/2003 13:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Chlorotoluene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Chloroform	2.1	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Chloromethane	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
Dibromochloromethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Dibromomethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Dichlorodifluoromethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
cis-1,2-Dichloroethene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,2-Dichloropropane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,3-Dichloropropane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
2,2-Dichloropropane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Ethylbenzene	1.5	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		05/21/2003		5506	eap	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		05/21/2003		5506	eap	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10387
 Report Date: 05/23/2003
 Page: 7 of 10

SAMPLE NO. 845796 **SAMPLE DESCRIPTION** HEM078:MW13D:G051503:572 **DATE/TIME TAKEN** 05/15/2003 13:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Toluene	2.6	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Trichloroethene	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
1,2,4-Trimethylbenzene	4.5	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
1,3,5-Trimethylbenzene	1.6	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		05/21/2003		5506	eap	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
Xylenes	7.2	ug/L	<1.0		05/21/2003		5506	eap	DT	SW 8260B	
d4-1,2-Dichloroethane (surr)	102	%	80-120		05/21/2003		5506	eap	DT	SW 8260B	
Dibromofluoromethane (surr)	102	%	86-118		05/21/2003		5506	eap	DT	SW 8260B	
d8-Toluene (surr)	98	%	88-110		05/21/2003		5506	eap	DT	SW 8260B	
Bromofluorobenzene (surr)	101	%	86-115		05/21/2003		5506	eap	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.10387
Report Date: 05/23/2003
Page: 8 of 10

SAMPLE NO. 845797 **SAMPLE DESCRIPTION** HEM078:Trip Blank **DATE/TIME TAKEN** 05/15/2003

Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
VOLATILE COMPOUNDS - 8260 (AQ)										
8260 - SW846 (AQ)	Complete			05/21/2003		5510	mrh	DT		
Acetone	<20.0 ug/L	<20.0		05/21/2003		5510	mrh	DT	SW	8260B
Benzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
tert-Butylbenzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
sec-Butylbenzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
n-Butylbenzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Bromochloromethane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Bromodichloromethane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Bromoform	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Bromobenzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
2-Butanone (MEK)	<12.5 ug/L	<12.5		05/21/2003		5510	mrh	DT	SW	8260B
Carbon disulfide	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Carbon tetrachloride	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Chlorobenzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Chloroethane	<5.0 ug/L	<5.0		05/21/2003		5510	mrh	DT	SW	8260B
2-Chlorotoluene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
4-Chlorotoluene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Chloroform	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Chloromethane	<5.0 ug/L	<5.0		05/21/2003		5510	mrh	DT	SW	8260B
Dibromochloromethane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Dibromomethane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
Dichlorodifluoromethane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
1,2-Dibromo-3-chloropropane	<5.0 ug/L	<5.0		05/21/2003		5510	mrh	DT	SW	8260B
1,2-Dichlorobenzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
1,3-Dichlorobenzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
1,4-Dichlorobenzene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
1,1-Dichloroethane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
1,2-Dichloroethane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
1,1-Dichloroethene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
cis-1,2-Dichloroethene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
trans-1,2-Dichloroethene	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
1,2-Dichloropropane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B
1,3-Dichloropropane	<1.0 ug/L	<1.0		05/21/2003		5510	mrh	DT	SW	8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10387
 Report Date: 05/23/2003
 Page: 9 of 10

SAMPLE NO. 845797 **SAMPLE DESCRIPTION** HEM078:Trip Blank **DATE/TIME TAKEN** 05/15/2003

	Result	Units	Reporting Limit	Run Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
2,2-Dichloropropane	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		05/21/2003		5510	mrh	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		05/21/2003		5510	mrh	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Toluene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Trichloroethene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,2,4-Trimethylbenzene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
1,3,5-Trimethylbenzene	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		05/21/2003		5510	mrh	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
Xylenes	<1.0	ug/L	<1.0		05/21/2003		5510	mrh	DT	SW 8260B	
d4-1,2-Dichloroethane (surr)	98	%	80-120		05/21/2003		5510	mrh	DT	SW 8260B	
Dibromofluoromethane (surr)	97	%	86-118		05/21/2003		5510	mrh	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10387
 Report Date: 05/23/2003
 Page: 10 of 10

SAMPLE NO.	SAMPLE DESCRIPTION	DATE/TIME TAKEN
845797	HEM078:Trip Blank	05/15/2003

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
d8-Toluene(surr)	99	%	88-110		05/21/2003			5510	mrh	DT	SW 8260B
Bromofluorobenzene(surr)	99	%	86-115		05/21/2003			5510	mrh	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.10690
Report Date: 05/28/2003
Page: 1 of 10

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


Project: HEM078

<u>Sample Number</u>	<u>Sample Description</u>	<u>Date Taken</u>	<u>Date Received</u>
846710	HEM078:MW1D:G052003:572	05/20/2003	05/22/2003
846711	HEM078:MW1D:G052003A:572	05/20/2003	05/22/2003
846712	HEM078:MW9D:G052003:572	05/20/2003	05/22/2003

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

Enclosure

Project Management Approval



TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10690
 Report Date: 05/28/2003
 Page: 2 of 10

SAMPLE NO. 846710 **SAMPLE DESCRIPTION** HEM078:MW1D:G052003:572 **DATE/TIME TAKEN** 05/20/2003 09:40

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Solids, Total Dissolved	663	mg/L	<50		05/27/2003			1499	cca	DT	EPA 160.1
ICP TOTAL METALS	Complete		Complete		05/23/2003	18:24		3292	tpw	DT	SW 6010B
ICPMS TOTAL METALS	Complete		Complete		05/23/2003	16:20		3863	ekh	DT	SW 6020
Arsenic, ICPMS	0.0175	mg/L	<0.0050		05/23/2003	16:20	2584	5217	ekh	DT	SW 6020
Barium, ICPMS	0.136	mg/L	<0.0050		05/23/2003	16:20	2584	5413	ekh	DT	SW 6020
Cadmium, ICPMS	<0.0010	mg/L	<0.0010		05/23/2003	16:20	2584	5101	ekh	DT	SW 6020
Chromium, ICPMS	0.0398	mg/L	<0.0020		05/23/2003	16:20	2584	5712	ekh	DT	SW 6020
Cobalt, ICPMS	0.0077	mg/L	<0.0050		05/23/2003	16:20	2584	5374	ekh	DT	SW 6020
Copper, ICPMS	0.123	mg/L	<0.0050		05/23/2003	16:20	2584	5264	ekh	DT	SW 6020
Lead, ICPMS	0.0087	mg/L	<0.0010		05/23/2003	16:20	2584	5182	ekh	DT	SW 6020
Mercury, CVAA	<0.0002	mg/L	<0.0002		05/27/2003	12:20	2160	2237	jlr	DT	SW 7470A
Nickel, ICPMS	0.0956	mg/L	<0.0050		05/23/2003	16:20	2584	5230	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		05/23/2003		1020	787	lnh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		05/23/2003	16:20	2584	5460	ekh	DT	SW 6020
Sodium, ICP	50.1	mg/L	<1.0		05/23/2003	18:24	3659	4346	tpw	DT	SW 6010B
Zinc, ICPMS	0.265	mg/L	<0.050		05/23/2003	16:20	2584	5065	ekh	DT	SW 6020
Metals Digestion, ICP	Complete		Complete		05/22/2003	19:00	3659		mjs	DT	SW 3010A
Metals Digestion, ICPMS	Complete		Complete		05/22/2003	18:15	2584		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		05/22/2003	17:25	1020		mjs	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete		05/27/2003	08:00	2160		jlr	DT	SW 7470A
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		05/22/2003			5512	mrh	DT	
Acetone	20.9	ug/L	<20.0		05/22/2003			5512	mrh	DT	SW 8260B
Benzene	1.5	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		05/22/2003			5512	mrh	DT	SW 8260B
Carbon disulfide	1.9	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
HULL & ASSOC., INC. (CLE)
6161 Cochran Rd.
Suite A
Solon, OH 44139

Job Number: 03.10690
Report Date: 05/28/2003
Page: 3 of 10

SAMPLE NO. 846710 **SAMPLE DESCRIPTION** HEM078:MW1D:G052003:572 **DATE/TIME TAKEN** 05/20/2003 09:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Carbon tetrachloride	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Chlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Chloroethane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
2-Chlorotoluene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
4-Chlorotoluene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Chloroform	1.2	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Chloromethane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromochloromethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromomethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromodifluoromethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
cis-1,2-Dichloroethene	10.1	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,3-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
2,2-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Ethylbenzene	4.1	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		05/22/2003		5512	mrh	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
p-Isopropyltoluene	2.2	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10690
 Report Date: 05/28/2003
 Page: 4 of 10

SAMPLE NO. 846710 **SAMPLE DESCRIPTION** HEM078:MW1D:G052003:572 **DATE/TIME TAKEN** 05/20/2003 09:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		05/22/2003		5512	mrh	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Toluene	3.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Trichloroethene	1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2,3-Trichloropropane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2,4-Trimethylbenzene	3.2	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,3,5-Trimethylbenzene	2.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Xylenes	6.5	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
d4-1,2-Dichloroethane(surr)	97	%	80-120		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromofluoromethane(surr)	100	%	86-118		05/22/2003		5512	mrh	DT	SW 8260B	
d8-Toluene(surr)	98	%	88-110		05/22/2003		5512	mrh	DT	SW 8260B	
Bromofluorobenzene(surr)	100	%	86-115		05/22/2003		5512	mrh	DT	SW 8260B	

SAMPLE NO. 846711 **SAMPLE DESCRIPTION** HEM078:MW1D:G052003A:572 **DATE/TIME TAKEN** 05/20/2003 09:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
ICP TOTAL METALS	Complete		Complete		05/23/2003	18:27	3292	tpw	DT	SW 6010B	
ICPMS TOTAL METALS	Complete		Complete		05/23/2003	16:35	3863	ekh	DT	SW 6020	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10690
 Report Date: 05/28/2003
 Page: 5 of 10

SAMPLE NO. 846711 **SAMPLE DESCRIPTION** HEM078:MW1D:G052003A:572 **DATE/TIME TAKEN** 05/20/2003 09:40

	Result	Units	Reporting		Run	Run	Prep	Run	Anal.	Lab	Method
			Limit	Flag	Date	Time	Batch	Batch	Init.	ID	Reference
Arsenic, ICPMS	0.0185	mg/L	<0.0050		05/23/2003	16:35	2584	5217	ekh	DT	SW 6020
Barium, ICPMS	0.138	mg/L	<0.0050		05/23/2003	16:35	2584	5413	ekh	DT	SW 6020
Cadmium, ICPMS	0.0013	mg/L	<0.0010		05/23/2003	16:35	2584	5101	ekh	DT	SW 6020
Chromium, ICPMS	0.0538	mg/L	<0.0020		05/23/2003	16:35	2584	5712	ekh	DT	SW 6020
Cobalt, ICPMS	0.0099	mg/L	<0.0050		05/23/2003	16:35	2584	5374	ekh	DT	SW 6020
Copper, ICPMS	0.174	mg/L	<0.0050		05/23/2003	16:35	2584	5264	ekh	DT	SW 6020
Lead, ICPMS	0.0114	mg/L	<0.0010		05/23/2003	16:35	2584	5182	ekh	DT	SW 6020
Mercury, CVAA	<0.0002	mg/L	<0.0002		05/27/2003	12:26	2160	2237	jlr	DT	SW 7470A
Nickel, ICPMS	0.111	mg/L	<0.0050		05/23/2003	16:35	2584	5230	ekh	DT	SW 6020
Selenium, GFAA	<0.0050	mg/L	<0.0050		05/23/2003		1020	787	lnh	DT	SW 7740
Silver, ICPMS	<0.0005	mg/L	<0.0005		05/23/2003	16:35	2584	5460	ekh	DT	SW 6020
Sodium, ICP	49.7	mg/L	<1.0		05/23/2003	18:27	3659	4346	tpw	DT	SW 6010B
Zinc, ICPMS	0.359	mg/L	<0.050		05/23/2003	16:35	2584	5065	ekh	DT	SW 6020
Metals Digestion, ICP	Complete		Complete		05/22/2003	19:00	3659		mjs	DT	SW 3010A
Metals Digestion, ICPMS	Complete		Complete		05/22/2003	18:15	2584		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete		05/22/2003	17:25	1020		mjs	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete		05/27/2003	08:00	2160		jlr	DT	SW 7470A
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		05/22/2003			5512	mrh	DT	
Acetone	19.0	ug/L	<20.0		05/22/2003			5512	mrh	DT	SW 8260B
Benzene	1.5	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		05/22/2003			5512	mrh	DT	SW 8260B
Carbon disulfide	2.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		05/22/2003			5512	mrh	DT	SW 8260B

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10690
 Report Date: 05/28/2003
 Page: 6 of 10

SAMPLE NO. 846711 **SAMPLE DESCRIPTION** HEM078:MW1D:G052003A:572 **DATE/TIME TAKEN** 05/20/2003 09:40

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
2-Chlorotoluene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
4-Chlorotoluene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Chloroform	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Chloromethane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromochloromethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromomethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dichlorodifluoromethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
cis-1,2-Dichloroethene	10.3	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,3-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
2,2-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Ethylbenzene	4.3	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		05/22/2003		5512	mrh	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		05/22/2003		5512	mrh	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10690
 Report Date: 05/28/2003
 Page: 7 of 10

SAMPLE NO. 846711 **SAMPLE DESCRIPTION** HEM078:MW1D:G052003A:572 **DATE/TIME TAKEN** 05/20/2003 09:40

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Naphthalene	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Tetrachloroethene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Toluene	3.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2,4-Trichlorobenzene	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,1-Trichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,2-Trichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Trichloroethene	1.1	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Trichlorofluoromethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,1-Trichloropropane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2,4-Trimethylbenzene	3.3	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,3,5-Trimethylbenzene	1.9	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Vinyl Acetate	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Vinyl Chloride	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Xylenes	6.7	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
d4-1,2-Dichloroethane (surr)	97	%	80-120		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromofluoromethane (surr)	102	%	86-118		05/22/2003		5512	mrh	DT	SW 8260B	
d8-Toluene (surr)	97	%	88-110		05/22/2003		5512	mrh	DT	SW 8260B	
Bromofluorobenzene (surr)	99	%	86-115		05/22/2003		5512	mrh	DT	SW 8260B	

SAMPLE NO. 846712 **SAMPLE DESCRIPTION** HEM078:MW9D:G052003:572 **DATE/TIME TAKEN** 05/20/2003 18:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Solids, Total Dissolved	759	mg/L	<50		05/27/2003		1499	cca	DT	EPA 160.1	
ICP TOTAL METALS	Complete		Complete		05/23/2003	18:30	3292	tpw	DT	SW 6010B	
ICPMS TOTAL METALS	Complete		Complete		05/25/2003	15:38	3865	ekh	DT	SW 6020	
Arsenic, ICPMS	0.0535	mg/L	<0.0050		05/25/2003	15:38	2584	5220	ekh	DT	SW 6020
Barium, ICPMS	0.183	mg/L	<0.0050		05/25/2003	15:38	2584	5416	ekh	DT	SW 6020

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10690
 Report Date: 05/28/2003
 Page: 8 of 10

SAMPLE NO. 846712 **SAMPLE DESCRIPTION** HEM078:MW9D:G052003:572 **DATE/TIME TAKEN** 05/20/2003 18:00

	Result	Units	Reporting Limit	Flag	Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
Cadmium, ICPMS	0.0545	mg/L	<0.0010		05/25/2003	15:38	2584	5104	ekh	DT	SW 6020
Chromium, ICPMS	1.78	mg/L	<0.0020		05/25/2003	15:38	2584	5715	ekh	DT	SW 6020
Cobalt, ICPMS	0.220	mg/L	<0.0050		05/25/2003	15:38	2584	5377	ekh	DT	SW 6020
Copper, ICPMS	3.23	mg/L	<0.0050		05/25/2003	15:38	2584	5267	ekh	DT	SW 6020
Lead, ICPMS	0.167	mg/L	<0.0010		05/25/2003	15:38	2584	5185	ekh	DT	SW 6020
Mercury, CVAA	0.0009	mg/L	<0.0002		05/27/2003	12:28	2160	2237	jlr	DT	SW 7470A
Nickel, ICPMS	2.53	mg/L	<0.0050		05/25/2003	15:38	2584	5233	ekh	DT	SW 6020
Selenium, GFAA	0.0062	mg/L	<0.0050		05/23/2003		1020	787	lnh	DT	SW 7740
Silver, ICPMS	<0.002	mg/L	<0.0005	O	05/25/2003	15:38	2584	5463	ekh	DT	SW 6020
Sc, ICP	130	mg/L	<1.0		05/23/2003	18:30	3659	4346	tpw	DT	SW 6010B
Zn, ICPMS	0.711	mg/L	<0.050		05/25/2003	15:38	2584	5068	ekh	DT	SW 6020
Metals Digestion, ICP	Complete		Complete	AC	05/22/2003	19:00	3659		mjs	DT	SW 3010A
Metals Digestion, ICPMS	Complete		Complete	AC	05/22/2003	18:15	2584		mjs	DT	SW 3010A
Metals Digestion, GFAA	Complete		Complete	AC	05/22/2003	17:25	1020		mjs	DT	SW 3020A
Manual Mercury Digestion	Complete		Complete		05/27/2003	08:00	2160		jlr	DT	SW 7470A
VOLATILE COMPOUNDS - 8260 (AQ)											
8260 - SW846 (AQ)	Complete		Complete		05/22/2003			5512	mrh	DT	
Acetone	<20.0	ug/L	<20.0		05/22/2003			5512	mrh	DT	SW 8260B
Benzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
tert-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
sec-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
n-Butylbenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromochloromethane	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromodichloromethane	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromoform	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Bromobenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
2-Butanone (MEK)	<12.5	ug/L	<12.5		05/22/2003			5512	mrh	DT	SW 8260B
Carbon disulfide	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Carbon tetrachloride	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Chlorobenzene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
Chloroethane	<5.0	ug/L	<5.0		05/22/2003			5512	mrh	DT	SW 8260B
2-Chlorotoluene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B
4-Chlorotoluene	<1.0	ug/L	<1.0		05/22/2003			5512	mrh	DT	SW 8260B

A - Sample was not sufficiently preserved at time of collection.
 C - Sample was preserved at the laboratory.
 O - Elevated reporting limit due to sample matrix.

TestAmerica Analytical Testing Corporation

Analytical Report

Adam Altman
 HULL & ASSOC., INC. (CLE)
 6161 Cochran Rd.
 Suite A
 Solon, OH 44139

Job Number: 03.10690
 Report Date: 05/28/2003
 Page: 9 of 10

SAMPLE NO. 846712 **SAMPLE DESCRIPTION** HEM078:MW9D:G052003:572 **DATE/TIME TAKEN** 05/20/2003 18:00

	Result	Units	Reporting		Run Date	Run Time	Prep Batch	Run Batch	Anal. Init.	Lab ID	Method Reference
			Limit	Flag							
Chloroform	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Chloromethane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromochloromethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dibromomethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Dichlorodifluoromethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dibromo-3-chloropropane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,3-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,4-Dichlorobenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloroethene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
cis-1,2-Dichloroethene	17.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
trans-1,2-Dichloroethene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,2-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,3-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
2,2-Dichloropropane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
cis-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
trans-1,3-Dichloropropene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Ethylbenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Hexachlorobutadiene	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
n-Hexane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
2-Hexanone	<12.5	ug/L	<12.5		05/22/2003		5512	mrh	DT	SW 8260B	
Isopropylbenzene (Cumene)	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
p-Isopropyltoluene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Bromomethane	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Methylene Chloride	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
Methyl t-butyl ether (MTBE)	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
4-Methyl-2-pentanone (MIBK)	<12.5	ug/L	<12.5		05/22/2003		5512	mrh	DT	SW 8260B	
n-Propylbenzene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Styrene	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	
Naphthalene	<5.0	ug/L	<5.0		05/22/2003		5512	mrh	DT	SW 8260B	
1,1,1,2-Tetrachloroethane	<1.0	ug/L	<1.0		05/22/2003		5512	mrh	DT	SW 8260B	

AFFIDAVIT

TestAmerica, Inc. (VAP Laboratory No. CL0018)

STATE OF OHIO

COUNTY OF MONTGOMERY

SS:

I, **B. Chris Weathington**, being first duly sworn according to law deposes and states that, to the best of my knowledge, information and belief:

- 1) I am an adult over the age of eighteen (18) years old and competent to testify herein.
- 2) I was employed by **TestAmerica, Inc.** as **Laboratory Director** and was authorized to submit this affidavit on behalf of **TestAmerica, Inc.** for the attached report.
- 3) TestAmerica performed analysis for **Hull & Associates** concerning a voluntary action for the property located at **HEM078**.
- 4) TestAmerica was a certified laboratory pursuant to Ohio Revised Code (ORC) Chapter 3746 and Ohio Administrative Code (OAC) Chapter 3745-300 when it performed the analysis for the purposes of conducting or completing the voluntary action.
- 5) All of the analyses performed by **TestAmerica**, for the purposes of conducting or completing the voluntary action at the referenced property, complied with the applicable requirements of ORC Chapter 3746 and rules adopted under OAC Chapter 3745-300.
- 6) The information, data, documents and reports provided for the purposes of conducting or completing the voluntary action at the referenced property are identified in the attachment(s) hereto as **03.10690**.
- 7) All information, data, documents and reports submitted by **TestAmerica**, identified in the attachment(s) of this affidavit and submitted for the purposes of conducting or completing this voluntary action are the true, accurate and complete reporting of the results of analysis.
- 8) **TestAmerica** has no conflict of interest, as set forth in OAC rules 3745-300-04(I)(5) and 3745-300-05(F)(3), in performing the analysis for **Hull & Associates** for the referenced property.

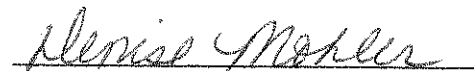
B. Chris Weathington

Further affiant sayeth naught

Sworn to before me this 3rd day of June, 2003

Notary


Affiant Signature



DENISE MOHLER
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES
JUNE 7, 2005

APPENDIX D

Risk-Based Screening Levels

DRAFT SIA/ GIA STANDARDS

DRAFT Groundwater to Indoor Air Standards				Ware Loam 10 ft	
Chemical	CAS	MAX (mg/l)	Max/GIA	Carc	Non-Carc
cis 1,2-Dichloroethene (ug/L)	156592	11.3000	0.0764		148.000
Trichloroethylene	79016	11.1000	0.3323	33.400	
Vinyl Chloride (ug/L)	75014	1.6000	8.8889	0.180	
trans 1,2-Dichloroethene (ug/L)	156605	1.5400	0.0109		141.000
Tetrachloroethylene	127184	0.1500	0.0023	65.400	
Xylene (m-as basis)	108383	0.0860	0.0000		23,300.000
1,2-Dichlorobenzene	95501	0.0220	0.0000		2,200.000
Toluene (ug/L)	108883	0.0140	0.0000		1,200.000
1,1-Dichloroethene	75354	0.0080	0.0214	0.374	
Benzene	71432	0.0051	0.0005	10.900	
Chloroform	67663	0.0024	0.0005	5.130	

DRAFT Soil to Indoor Air Standards				Warehouse Loam 0.002foc		
Chemical	CAS	MAX (mg/kg)	Max/SIA	Carc	Non-Carc	Saturation
Tetrachloroethene (ug/kg)	127184	34.7	2.4786	14.0	81	105
Trichloroethene (ug/kg)	79016	1.97	0.2351	8.4		594
Acetone (ug/kg)	67641	0.323	0.0000		16,000	201,000
1,2-Dichlorobenzene	95501	0.248	0.0001		1,900	224
cis-1,2-Dichloroethene (ug/kg)	156592	0.0818	0.0039		21.00	960.00
2-Butanone (MEK)	78933	0.0747	0.0000		72,000	73,800
m/p Xylene (ug/kg)	108383	0.0222	0.0000		10,800	164
1,2,4-Trimethylbenzene (ug/kg)	95636	0.0155	0.0008		19.9	94.0
Benzene	71432	0.011	0.0056	2.0	3.2	564
Toluene (ug/kg)	108883	0.0072	0.0000		350	300

All standards are either mg/l or mg/kg