

**RCRA Facility Investigation Report  
For  
Site FH-008 (Abandoned Sanitary Landfill 8)**

**Prepared for  
U.S. Army Corps of Engineers  
Fort Worth District  
Fort Worth, Texas**

**Under Contract Number  
DACA63-96-D-0021**

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## ACRONYMS

AA	Atomic absorption
ATV	all-terrain vehicle
BEGM	Bureau of Economic Geology
BG	background
BGS	below ground surface
CQAR	Chemical Quality Assessment Report
DOT	Department of Transportation
DPW	Directorate of Public Works
EM	Electromagnetic
FH	Fort Hood
ft	feet or foot
GC/MS	Gas Chromatography/Mass Spectrometry
ICP	Inductively coupled plasma
IDW	Investigation Derived Waste
LCS	Laboratory Control Samples
MSC	medium specific concentration
msl	mean sea level
MS/MSDs	Matrix Spike/Matrix Spike Duplicate
ppb	parts per billion
ppm	parts per million
PQL	Practical Quantitation Limit
QA/QC	Quality Assurance/Quality Control
RCRA	Resource Conservation and Recovery Act
RFI	RCRA Facility Investigation
RRS	Risk Reduction Standards
SAIC	Science Applications International Corporation
SWMU	Solid Waste Management Unit
TCLP	Toxicity Characteristic Leaching Procedure
TNRCC	Texas Natural Resources Conservation Commission
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
UTL	upper tolerance limit

## **1.0 INTRODUCTION**

Fort Hood is an active U.S. Army installation occupying 217,551 acres (339 square miles) in southern Coryell and Bell Counties in central Texas. It is situated 60 miles north of Austin, and about 50 miles south of Waco. The installation is located north of and adjacent to the city of Killeen, east of and adjacent to the city of Copperas Cove, and four miles south of the city of Gatesville. A vicinity map is shown in Figure 1.1.

Fort Hood began operations in 1942. Robert Gray Air Field, originally operated by the Air Force as Robert Gray Air Force Base, was established in 1947 (U. S. Army 1996a). Fort Hood's mission is training, testing, and deployment of military personnel and equipment. The post is commanded by the III Corps Commander. Currently, the post supports two full armored divisions (the 1st Cavalry and 4th Infantry Divisions). Forty-three thousand military personnel are stationed there; and an additional 30,000 family members, civilians, volunteers, and private-sector employees also live or work at Fort Hood (U.S. Army 1996b). Among the military assets of Fort Hood are approximately 2,500 tracked vehicles, over 11,000 wheeled vehicles, six fixed wing aircraft, and 230 rotary-wing aircraft. The post has 67 active firing and demolition ranges.

The Fort Hood military reservation is regulated under the Resource Conservation and Recovery Act (RCRA) as a hazardous waste management facility. Fort Hood has a RCRA permit to operate three hazardous waste storage units. The RCRA permit requires that Fort Hood perform a RCRA Facility Investigation (RFI) for 40 solid waste management units (SWMUs) listed in the permit. These SWMUs are distributed across the military reservation, in the main cantonment, West Fort Hood, and North Fort Hood. They include former solid waste landfills and burial sites, former and inactive underground storage tank locations, active wash rack/sewer systems, effluent ponds, and a sanitary sewer network. An installation map is shown in Figure 1.2.

This report describes the collection and analysis of data from SWMU FH-008, Abandoned Sanitary Landfill 8, one of 35 SWMUs investigated during the RFI conducted November 1996 through March 1997. FH-008 is located near the intersection of North Avenue and Clear Creek Road. This report does not address groundwater at FH-008.

### **1.1 BACKGROUND**

FH-008 is approximately one acre in size and, based on historical information and interviews with current site personnel, the site most likely was operated as a borrow pit and not a landfill. There has been no information collected to date to indicate that the site was used for disposal of solid waste and aerial photographs of the area taken in the 1970's revealed no evidence of disposal activities at the site. However, due to the uncontrolled nature of the site, an RFI of the unit was warranted.

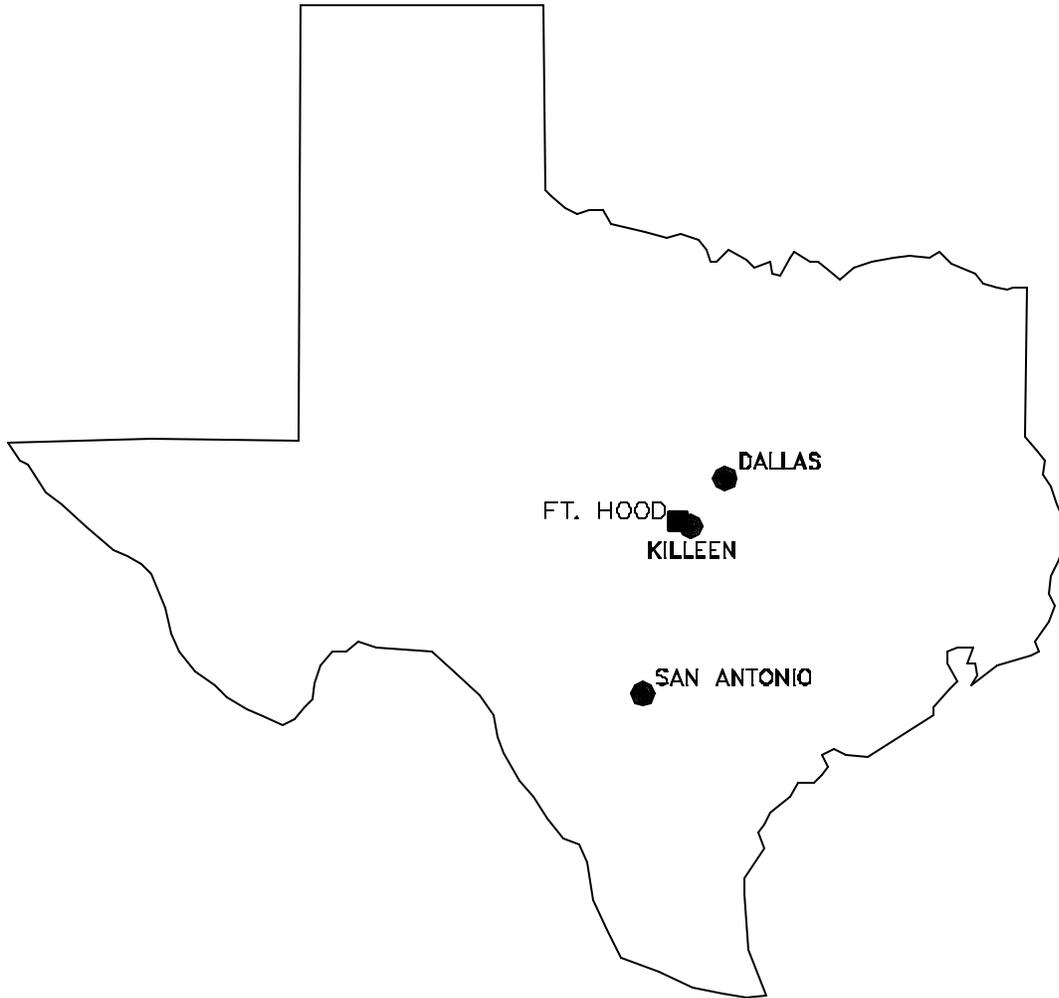
### **1.2 SCOPE AND OBJECTIVES**

The objective of the RFI at FH-008 was to determine if solid or hazardous wastes are present at the site and, if identified, to characterize the potential source and extent of contamination. This report assesses the nature of soil contamination at the site and evaluates what, if any, corrective measures are needed.

The specific objectives of the investigation of FH-008 were as follows:

- determine if the site was used as a solid waste landfill;
- determine the presence or absence of contaminants in the surface and subsurface soils within the site;
- characterize the migration potential of any contaminants identified in the surface and subsurface soils;

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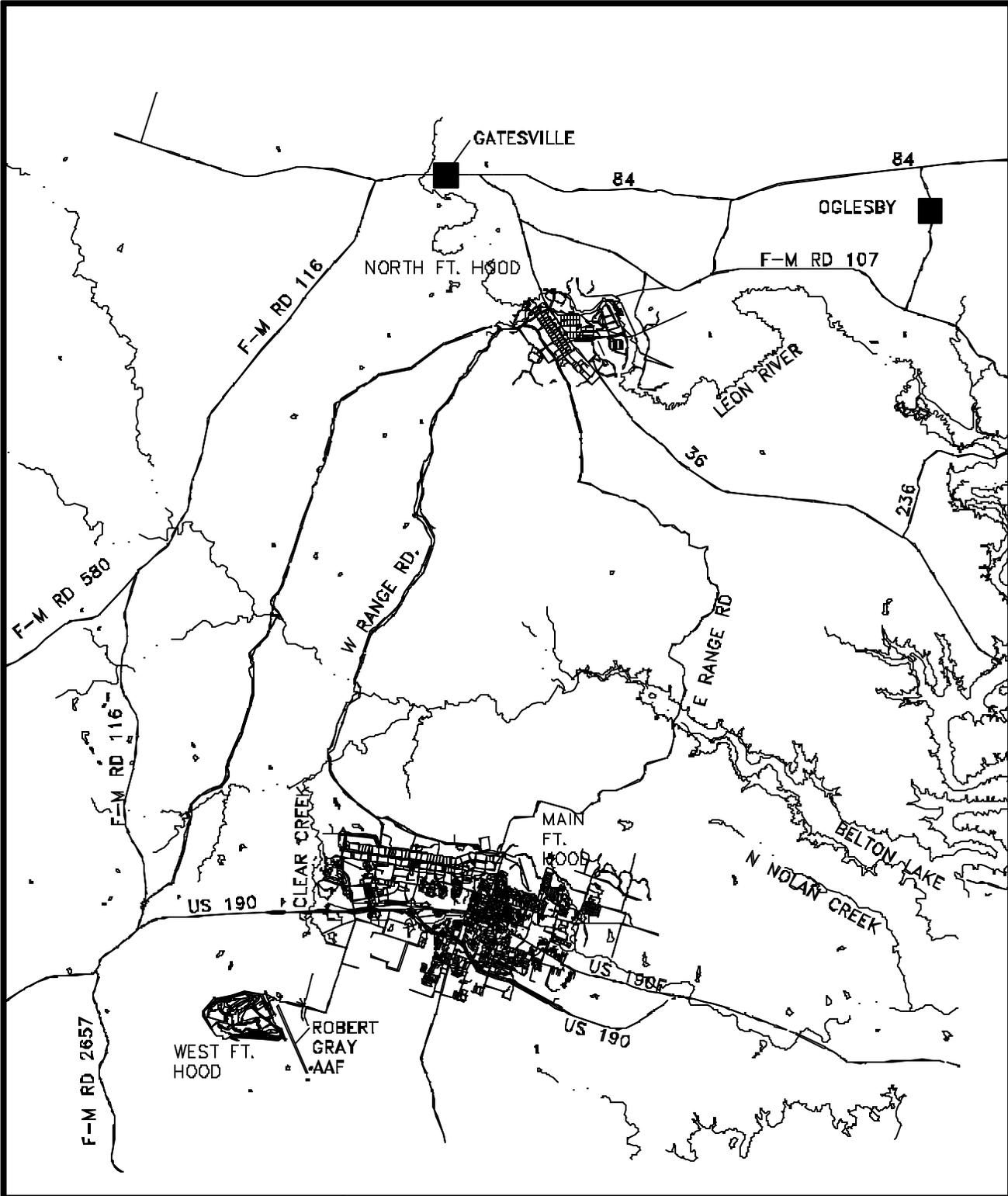
**FORT HOOD  
VICINITY MAP**



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LEGEND

-  MAJOR ROADS
-  RIVERS/STREAMS
-  WATER BODIES

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RCRA FACILITY INVESTIGATION

FT. HOOD INSTALLATION MAP



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- determine if groundwater is present below the landfill and if present, determine if the groundwater is contaminated;
- evaluate the potential human health risks associated with contaminants detected in surface and subsurface soils; and
- determine what, if any, corrective measures are needed to address contamination associated with SWMU FH-008.

The approach to the RFI included field sampling and laboratory analysis of surface and subsurface soils. The sampling and analysis program was conducted in accordance with the Final RCRA Facility Investigation Work Plan for Fort Hood Site FH-008 (USACE 1995).

## **2.0 ENVIRONMENTAL SETTING**

The material presented in this section describes the physical characteristics of FH-008 and its surroundings. The geology, physiography, and climate are presented using regional and site-specific data where available.

### **2.1 PHYSIOGRAPHIC SETTING**

Fort Hood is located within the eastern edge of the Lampasas Cut Plains region of the North-Central Plains physiographic province. The topography of Fort Hood consists of small stream valleys separated by ridge-forming mesas. Relief is as great as 340 ft. The Black and Blackwell Mountains are prominent features north of the main cantonment, as are Seven Mile Mountain at West Fort Hood, and the Dalton Mountains southwest of North Fort Hood. A topographic map of the main cantonment of Fort Hood is provided in Figure 2.1.

Local relief on the main cantonment and at West Fort Hood is generally less than 100 ft, with flat to gently rolling topography. Elevations on the main cantonment range from 860 to 940 ft above mean sea level (msl). SWMU FH-008 elevation is approximately 920 ft above msl.

The rivers, streams, and creeks that constitute the main surface water pathways at Fort Hood are shown on Figure 1.2. The main cantonment lies along a watershed divide between Belton Lake and the Leon River, downstream from the lake. The western and north-central parts of the main cantonment are drained by Clear Creek, which discharges to House Creek. House Creek is a tributary to the eastward-flowing Cowhouse Creek, which discharges to Belton Lake, a man-made reservoir. South Nolan Creek and North Nolan Creek both originate on Fort Hood and flow eastward to the Leon River, below Belton Lake.

### **2.2 GEOLOGIC CONDITIONS**

A summary of the geology of the Fort Hood area relevant to this RFI is adapted from the Final RCRA Facility Investigation Work Plan, 35 Solid Waste Management Units, Fort Hood, Texas (USACE 1995). Relevant information on the occurrences of soils and bedrock has been incorporated to further characterize the geology of FH-008 and its surroundings.

#### **2.2.1 Bedrock**

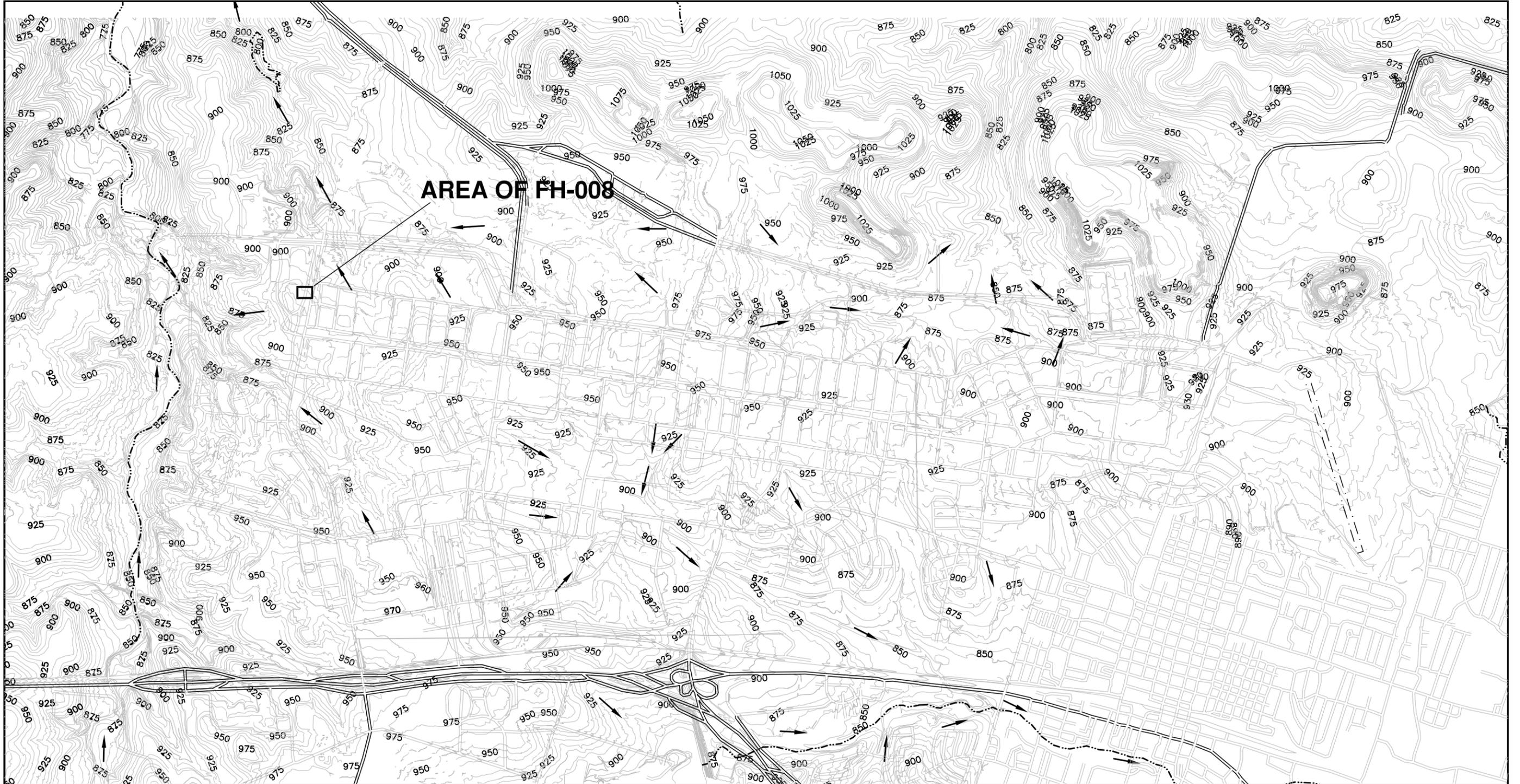
Lower Cretaceous marine sedimentary rocks make up the stratigraphy underlying Fort Hood. The Fredericksburg Group consists of several stratigraphic units. The Walnut Formation is the lowermost unit of the Fredericksburg Group and is the dominant stratigraphic unit in the main cantonment. It consists of shales with interbedded limestone, chalky nodular limestone, and shell aggregates. The fossiliferous Walnut Formation is exposed in many locations at Fort Hood. It varies in thickness from 100 to 150 ft (BEGM 1979). The Comanche Peak Formation and an undifferentiated unit overlie the Walnut Formation, but are present at the surface only north of the main cantonment in the Black and Blackwell Mountains, and on West Fort Hood on Seven Mile Mountain.

Bedrock dips gently to the southeast throughout the area. Inactive faults are present in the subsurface to the east of Fort Hood along the Balcones Fault Zone, which runs through Bell, McLennan, and Hill Counties.

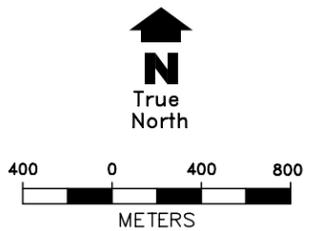
#### **2.2.2 Unconsolidated Materials**

Alluvial deposits of Quaternary age are present along stream valleys on the main cantonment, specifically along South Nolan Creek on the southern edge of the cantonment (USACE 1995). It is suspected that much alluvium

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**AREA OF FH-008**



- LEGEND**
-  TOPOGRAPHIC CONTOUR (FT.)
  -  DRAINAGE
  -  SURFACE DRAINAGE FLOW
  -  AREA OF FH-008

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**TOPOGRAPHY OF MAIN CANTONMENT**



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and other natural surface deposits have been reworked throughout the active life of Fort Hood during construction projects.

### **2.3 CHARACTERIZATION OF SOILS**

In many areas of the main cantonment, silty or sandy clay soils overlie bedrock. In upland areas, these soils contain abundant rock fragments. In general, these soils have low permeabilities (USDA 1985a,b). They range in thickness from 15 to 20 ft. Because soils have been extensively reworked for construction and landfilling in the SWMUs that were investigated, it is difficult to apply the USDA classification to the soils encountered on the main cantonment.

### **2.4 CHARACTERIZATION OF CLIMATE**

The climate of the Fort Hood-Killeen area can be characterized as semi-arid continental. Winters (December-March) are mild, with the average daily maximum temperature in January (the coldest month) reaching 60° F. Below-freezing temperatures occur on an average of 23 days per year. The normal daily winter temperature range is 42 to 62° F. At times, strong northerly winds accompanied by sharp drops in temperature occur during the winter months. Summers (June-September) are hot and dry. The average daily maximum temperature in August, the hottest month, reaches 95.9° F. The normal daily temperature range for summer is 75 to 95° F. The average daily temperature in Killeen is 68.1° F.

Average annual rainfall in the Killeen area is 30.4 inches, and is most concentrated from September to May (U.S. Army 1996). Snowfall is rare. The average annual humidity in the region is 55 percent. Total rainfall for 1996 at Fort Hood was 26.7 inches. The ten months prior to the start of the field program for this RFI were anomalously dry. During the five-month period in which the field program of the RFI was conducted, precipitation was higher than the historical monthly averages. Severe weather in the form of heavy rain, hail storms, and ice storms is common in the winter months.

### **3.0 UNIT CHARACTERIZATION**

Site FH-008 is an open area that is currently used as a construction contractor's yard. It is mostly unvegetated and has an uneven, northward-sloping surface. The site is used for equipment storage and there is a great deal of vehicle traffic over the site. FH-008 is not a paved SWMU. The location and inventory of equipment at FH-008 is dependent on the contractors and the current projects. Photographs of the site were taken in April, 1997 and are presented in Figure 3.1. Historical information indicates that the site may have operated as a borrow pit rather than as a landfill. No previous investigations have been performed at FH-008 to characterize the material in the landfill. There has been no information collected to date to indicate that the site was used for disposal of solid or hazardous waste and aerial photographs of the area taken in the 1970's revealed no evidence of disposal activities at the site.



**Figure 3.1 Photographs of FH-008.**

## 4.0 CHARACTERIZATION OF UNIT CONTAMINATION

The RFI field program was designed to do the following at SWMU FH-008:

- determine if the site was used as a solid waste landfill;
- determine/confirm the presence or absence of contaminants in the soils at the site;
- determine if groundwater is present below the site and if present, determine if the groundwater is contaminated;
- characterize the migration potential of the contaminants identified in the soils beneath the site;
- evaluate the potential human health risks associated with contaminants detected in surface and subsurface soils; and,
- determine what, if any, corrective measures are needed to address contamination associated with SWMU FH-008.

### 4.1 TECHNICAL APPROACH

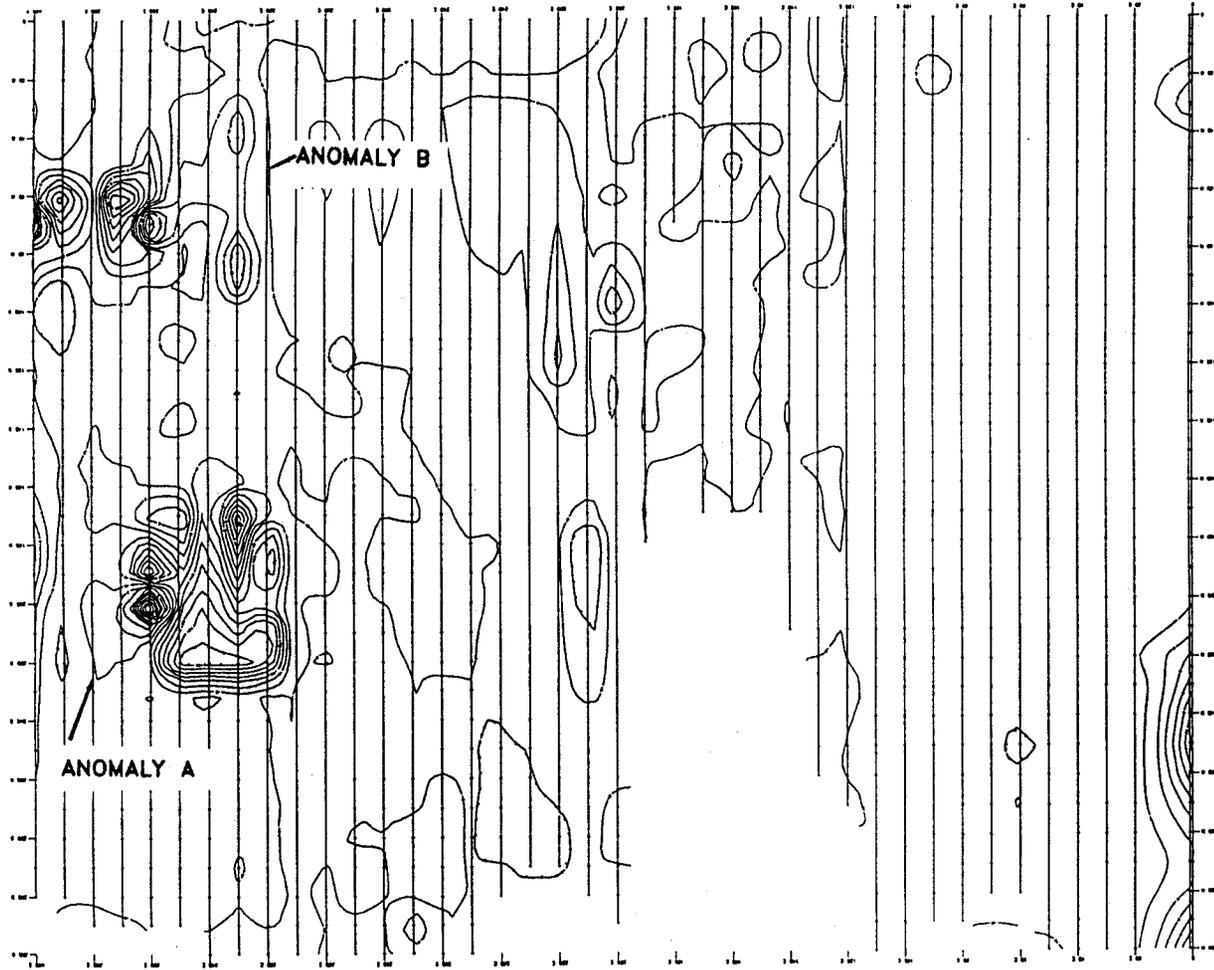
Both surface (0 - 2ft BGS) and subsurface soils (> 2ft. BGS) were sampled at FH-008. The different soil depths were sampled in order to provide data necessary to evaluate the potential human health risks associated with contaminants at the site and to better characterize the potential contamination present in different soil strata. Contaminant concentrations will vary based on soil depth due to the chemical nature of the contaminant and the method by which the contaminant is deposited in the soil (i.e., spills, leaks, and atmospheric deposition). Concentrations at the surface of the soil may differ greatly from subsurface levels. In addition, analysis of different soil levels is necessary in order to accurately evaluate the human health risks associated with the contaminants. Exposures based on surface, or direct, contact will differ from exposure, if any, associated with contaminants in deeper soils. Combining surface and subsurface data may result in a database that is not truly representative of actual exposure at the site. At FH-008, direct contact with surface soils is more likely than contact with deeper soils.

#### 4.1.1 Geophysical Investigation

An EM-31 unit was used to determine electromagnetic (EM) conductivity in the suspected landfill. The survey was designed with the lines spaced ten feet apart, and the grid points on each line spaced at ten-foot intervals. The objective of the survey design was to locate conductivity anomalies indicative of buried wastes or disturbed soils and to determine the lateral boundaries of the landfill. The 10 x 10-ft survey grid and collection of in-phase and quadrature data in both the horizontal and vertical dipole orientations permit high-resolution mapping of subsurface anomalies to a depth of approximately 18 ft. The limits of the geophysical investigation were a minimum of 20 ft beyond the suspected boundary of the landfill area. The location of the burial site boundaries was based on interviews with Fort Hood personnel.

The geophysical investigation was conducted the week of November 18, 1996. Conditions during the investigation were dry. Underground metal conduit and utility lines are present at the site, as are temporary metal buildings, storage boxes, construction materials, and other large structures. These objects contributed some minor interferences in the EM readings. Areas obstructed by buildings or construction materials could not be surveyed. Data were collected electronically and processed to create contour maps of anomalies. These maps are presented in Figures 4.1 through 4.4.

Electromagnetic readings from the eastern and central portions of FH-008 indicated the presence of limestone bedrock and fill material in the shallow subsurface, with no indication of disturbance. Conductivity anomalies suggestive of landfilling were present along the western side of the site. Two prominent anomalies, labeled A and B in Figure 4.1, were targeted for further investigation by soil boring and sampling.



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FH-008 GEOPHYSICAL  
SURVEY DATA -  
HORIZONTAL IN-PHASE  
CONTOURS



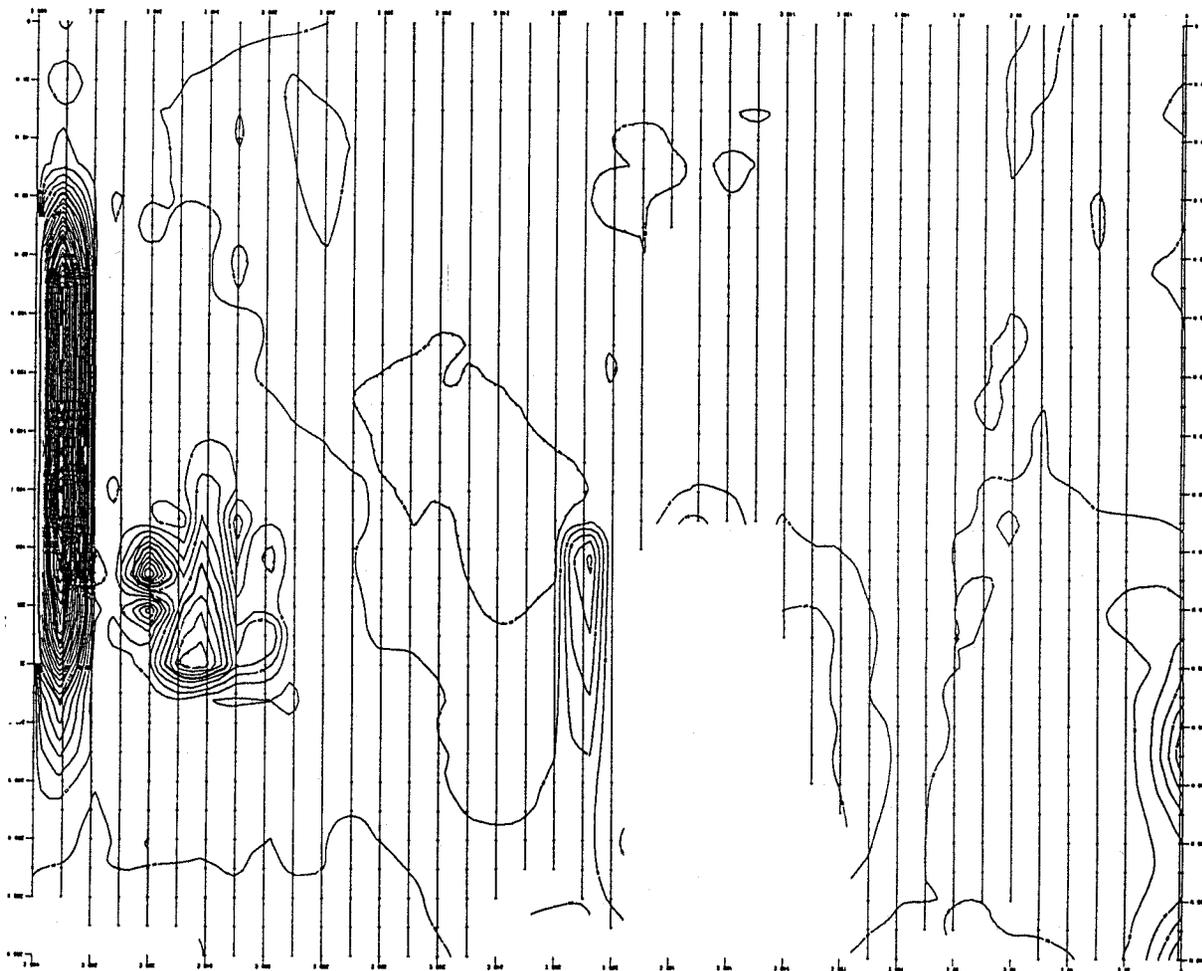
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FIGURE NO.

4.1

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RCRA FACILITY INVESTIGATION

FH-008 GEOPHYSICAL  
SURVEY DATA -  
HORIZONTAL QUADRATURE  
DATA

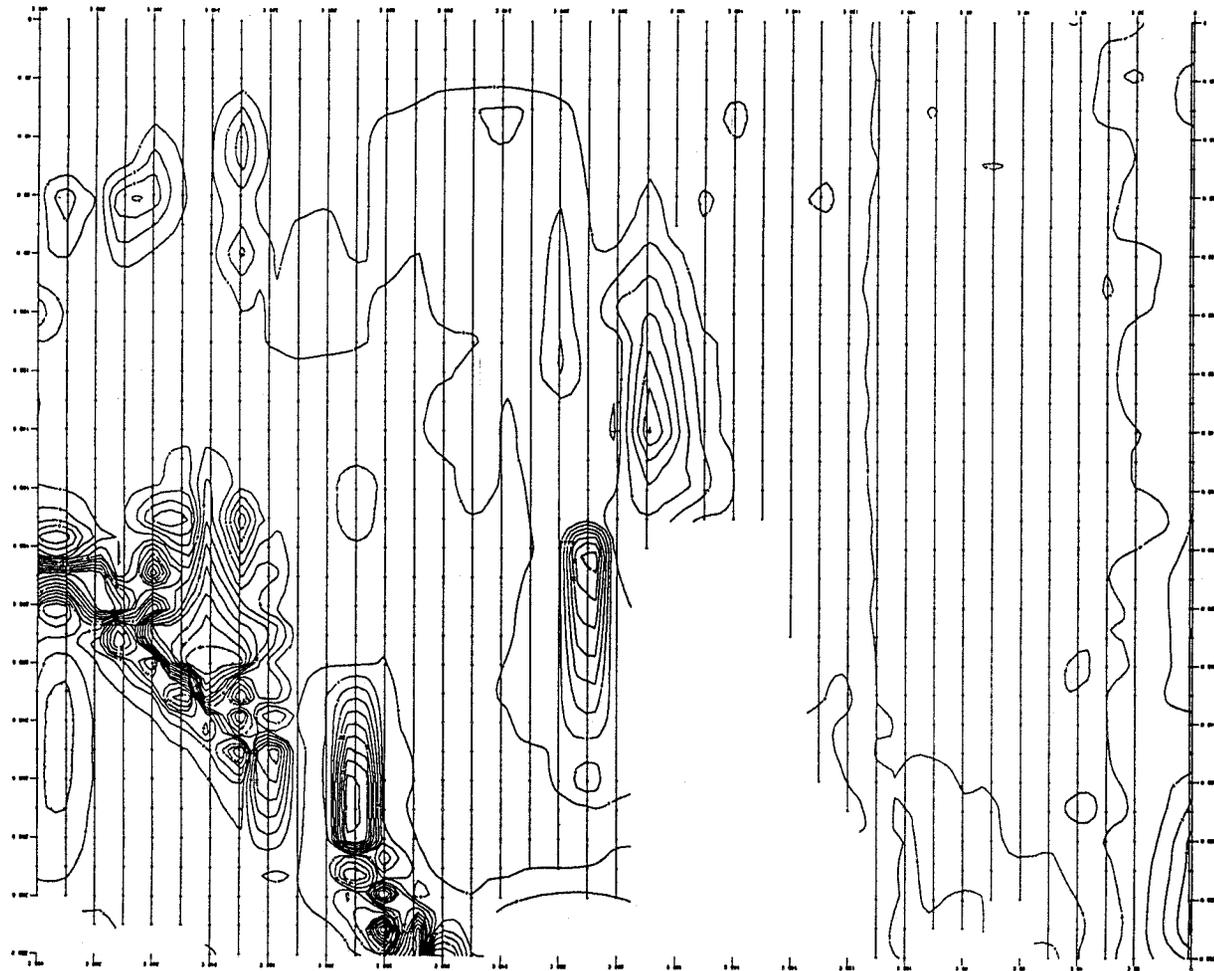


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FIGURE NO.

4.2



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FH-008 GEOPHYSICAL  
SURVEY DATA -  
VERTICAL IN-PHASE  
CONTOURS

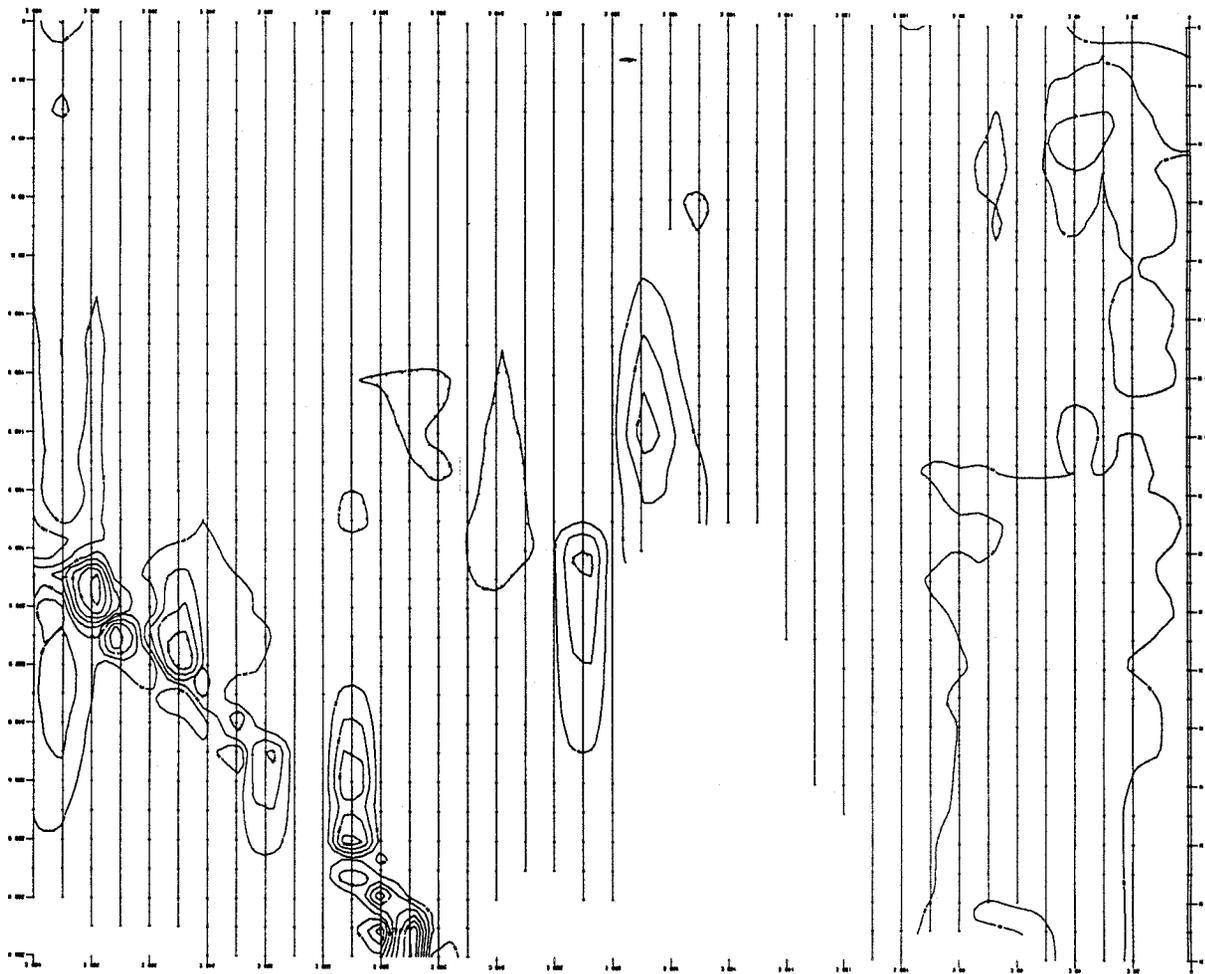


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FIGURE NO.

4.3



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FH-008 GEOPHYSICAL  
SURVEY DATA -  
VERTICAL QUADRATURE  
CONTOURS



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	4.4

#### **4.1.2 Soil Sampling Investigation**

Four soil borings were drilled and surface and subsurface soils were sampled in January and February 1997. The locations of the sampling points are shown in Figure 4.5. All soil borings were drilled using a truck-mounted hollow-stem auger rig. Soil samples were collected using a 5 ft continuous downhole sampling device. The samples were analyzed for volatile organic compounds, semi-volatile organic compounds, and metals. Downhole, breathing zone, and headspace organic vapors were monitored during sampling activities. All soil sampling, sample handling, chain-of-custody, and other field activities were conducted in accordance with the RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995).

SB101 and SB104 were drilled in the western portion of the site within the approximate area of anomalies A and B identified during the geophysical survey. In both cases, the borings encountered bedrock at 9 ft BGS. There was no indication of buried waste above bedrock in either boring. Samples were collected in the upper 1 ft and from the 8 ft to 9 ft interval. SB103 and SB105 were drilled in the eastern portion of the site. Bedrock was encountered at 10.5 ft BGS in SB103 and at 11.5 ft BGS in SB105. The blue-gray weathered limestone was overlain by yellow silty clays containing weathered limestone fragments. Samples were collected from 0 - 1 ft BGS in both borings, and from 11 - 11.5 ft in SB103. Because of poor sample recovery in the limestone at SB105, no sample was collected from the bottom of the boring. It was apparent from conditions of the nearby borings, the geology, and stratigraphy, that the FH-008 area after borrow activities was not backfilled with landfill material, therefore, another boring was not drilled for collecting a subsurface sample near SB105. Additionally, neither boring exhibited any evidence of buried waste above bedrock. A fifth boring was to be installed at FH-008 in the event that other anomalies were observed, but based upon the lack of evidence of landfilling activities at the site, this boring was deleted from the sampling program with the approval of USACE, Fort Hood and TNRCC representatives. In all borings, organic vapor monitoring resulted in no detections of volatile organic compounds in either the headspace or borehole gases.

No visual observations of any contamination in any media were observed in the four borings drilled at FH-008. The only media that was observed at FH-008 was soil. Boring logs for FH-008 are provided in Appendix A.

### **4.2 UNIT INVESTIGATION AND ANALYTICAL RESULTS**

Analytical results for soils at SWMU FH-008 are provided in their entirety in Appendix B. Table 4.1 summarizes those constituents detected above analytical detection limits. Constituents detected above analytical detection limits were screened against background and risk-based screening criteria as described in Section 4.3 and Section 5.0. There were no inorganic constituents detected above background screening criteria in FH-008 surface or subsurface soils.

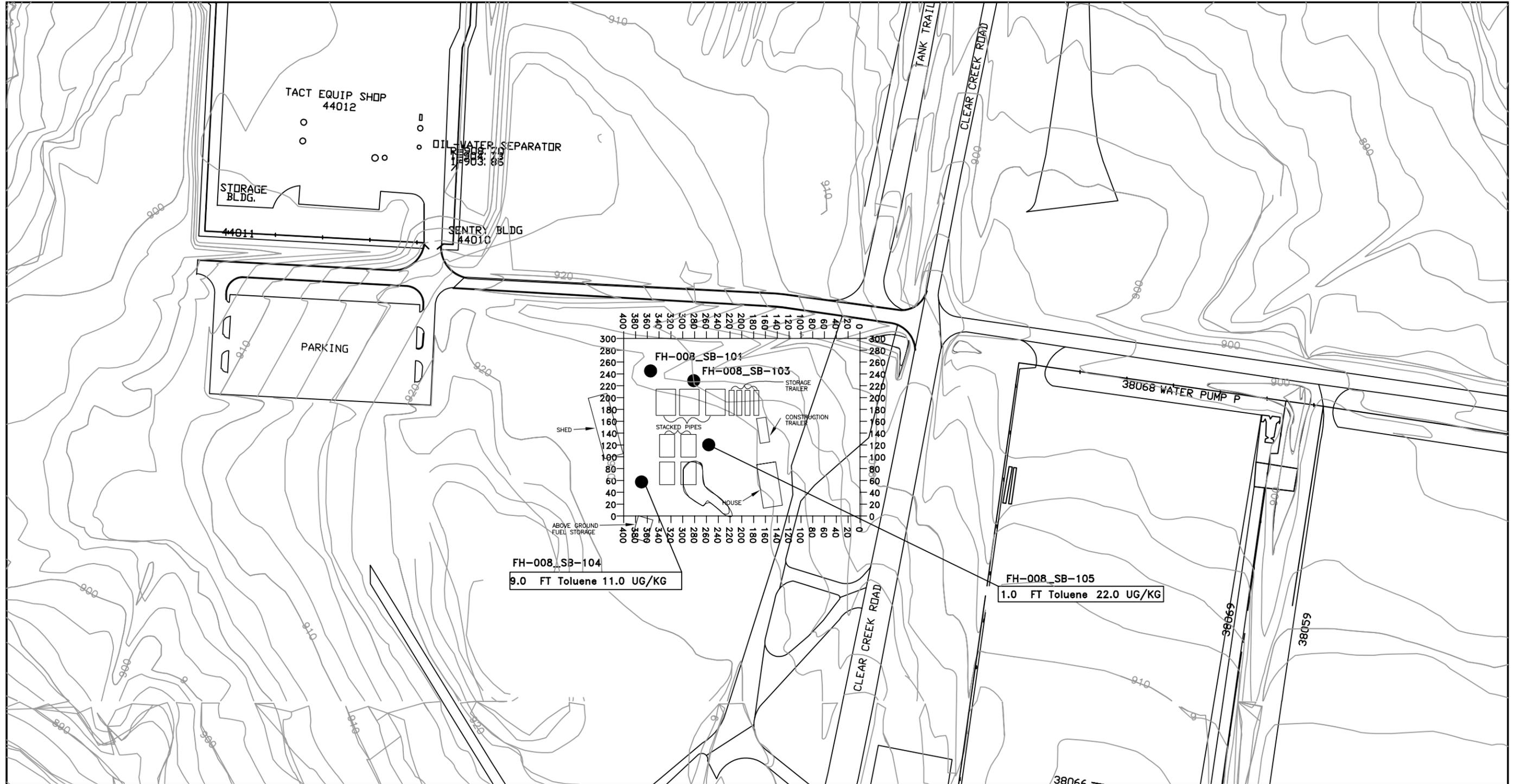
#### **4.2.1 Surface Soil Analytical Results**

Inorganic constituents including arsenic (4.6 ppm to 5.3 ppm), barium (8.1 ppm to 25.6 ppm), cadmium (0.1 ppm to 0.2 ppm), chromium (4.4 ppm to 7.8 ppm), and lead (2.9 ppm to 4.6 ppm) were all detected in surface soils at concentrations below their corresponding background levels. Toluene was detected at SB105 at a concentration of 22 ppb. No other volatiles were detected at FH-008 locations in surface soils. There were no semivolatile contaminants detected in any of the surface soil samples.

#### **4.2.2 Subsurface Soil Analytical Results**

Inorganic constituents were detected in subsurface soils and included; arsenic (1.6 ppm to 3.3 ppm), barium (6.3 ppm to 27.5 ppm), cadmium (0.08 ppm to 0.16 ppm), chromium (3.2 ppm to 3.8 ppm), and lead (1.0 ppm to 2.3 ppm). All inorganic constituent concentrations were below their corresponding background

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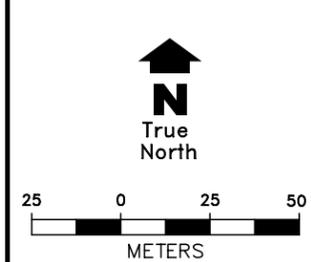


FH-008\_SB-104  
9.0 FT Toluene 11.0 UG/KG

FH-008\_SB-105  
1.0 FT Toluene 22.0 UG/KG



FH-008  
MAIN FT.  
HOOD  
LOCATION  
MAP



- LEGEND
- TOPOGRAPHIC CONTOUR (FT.)
  - DRAINAGE
  - SAMPLING LOCATION
  - GEOPHYSICAL SURVEY GRID BOUNDARY

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RCRA FACILITY INVESTIGATION  
SAMPLING LOCATIONS AND RESULTS,  
FH-008

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**Table 4.1 FH-008 Analytes Detected Above Analytical Detection Limits**

Location	Sample ID	Depth (Ft)	Analysis Type	Parameter	Result	PQL	Units
SB101	08SB106	0.0-1.0	Metals	Lead	3.2 J	0.2	mg/kg
				Arsenic	4.6 J	0.35	mg/kg
				Barium	11.5	0.07	mg/kg
				Chromium	4.6 J	0.08	mg/kg
	08SB107	8.0-9.0	Metals	Lead	1 J	0.2	mg/kg
				Arsenic	1.6 J	0.34	mg/kg
				Barium	14.4	0.07	mg/kg
				Cadmium	0.08	0.05	mg/kg
SB103	08SB101	0.0-1.0	Metals	Lead	1.8	0.16	mg/kg
				Arsenic	4.7	0.37	mg/kg
				Barium	8.1	0.09	mg/kg
				Cadmium	0.1	0.04	mg/kg
				Chromium	4.4	0.09	mg/kg
	08SB102	11.0-11.5	Metals	Lead	2.3	0.15	mg/kg
				Arsenic	3.3	0.36	mg/kg
				Barium	27.5	0.09	mg/kg
				Cadmium	0.16	0.04	mg/kg
				Chromium	3.2	0.09	mg/kg
SB104	08SB104	0.5-1.0	Metals	Lead	2.9	0.16	mg/kg
				Arsenic	5.3	0.37	mg/kg
				Barium	11.4	0.09	mg/kg
				Cadmium	0.14	0.04	mg/kg
				Chromium	6.3	0.09	mg/kg
	08SB105	8.5-9.0	VOC	Toluene	11	5	ug/kg
			Metals	Lead	1.7	0.15	mg/kg
				Arsenic	2.5	0.35	mg/kg
				Barium	6.3	0.09	mg/kg
				Cadmium	0.09	0.04	mg/kg
SB105	08SB103	0.5-1.0	VOC	Toluene	22	5	ug/kg
			Metals	Lead	4.6	0.15	mg/kg
				Arsenic	4.9	0.36	mg/kg
				Barium	25.6	0.09	mg/kg
				Cadmium	0.2	0.04	mg/kg
Chromium	7.8	0.09	mg/kg				

J - estimated values due to either laboratory and/or data validation qualifiers. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed or when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.

levels. Toluene was also detected in subsurface soils at location SB104 at 11 ppb. No subsurface sample was collected at SB105. No semivolatile constituents were detected in subsurface soils.

#### **4.2.3 Disposition of Investigation Derived Waste (IDW)**

All IDW generated during drilling at FH-008 was stored in 55 gallon drums. All drums were clearly identified with Department of Transportation (DOT) - approved labels containing the drum's contents, the date they were filled, and the SWMU where the IDW was generated. Drums were staged in the SAIC compound pending disposition. Analytical results from the corresponding soil samples were used to determine whether a drum's contents were non-hazardous or potentially hazardous. Contaminant levels were screened against the Resource Conservation and Recovery Act (RCRA) A20 times@ rule for the Toxicity Characteristic Leaching Procedure (TCLP). Provisions were made for TCLP sampling of any solid IDW drums that did not meet the A20 times@ criteria. When a site soil sample concentration for a hazardous constituent is twenty times or greater than its respective leachate concentration listed in 30 TAC Chapter 335, Subchapter R, Appendix 1, Table 1, a sample will be collected. All solid IDW determined to be non-hazardous by this method is transported to the Fort Hood Sanitary Landfill for disposal. All solid IDW determined to be potentially hazardous is delivered to the Fort Hood Directorate of Public Works (DPW) Classification Unit with the accompanying characterization data.

Four drums of solid IDW were generated at FH-008. All solid IDW at FH-008 was determined to be non-hazardous and was transported to the Fort Hood Sanitary Landfill for disposal. All liquid IDW generated for this SWMU resulted from the decontamination of the drilling rig and other sampling equipment. Liquid IDW (one drum) was non-hazardous and was disposed of in the 1st Calvary Division Tactical Vehicle Wash Facility. The drums containing the non-hazardous liquid are expected to contain a significant amount of sediment. For this reason, disposal at the 1st Calvary Division Tactical Vehicle Wash Facility was determined to be more appropriate than discharging the liquid to the sanitary sewer system. The Vehicle Wash Facility is a closed loop system consisting of three ponds used to settle out the dirt and sediment washed off the armored vehicles.

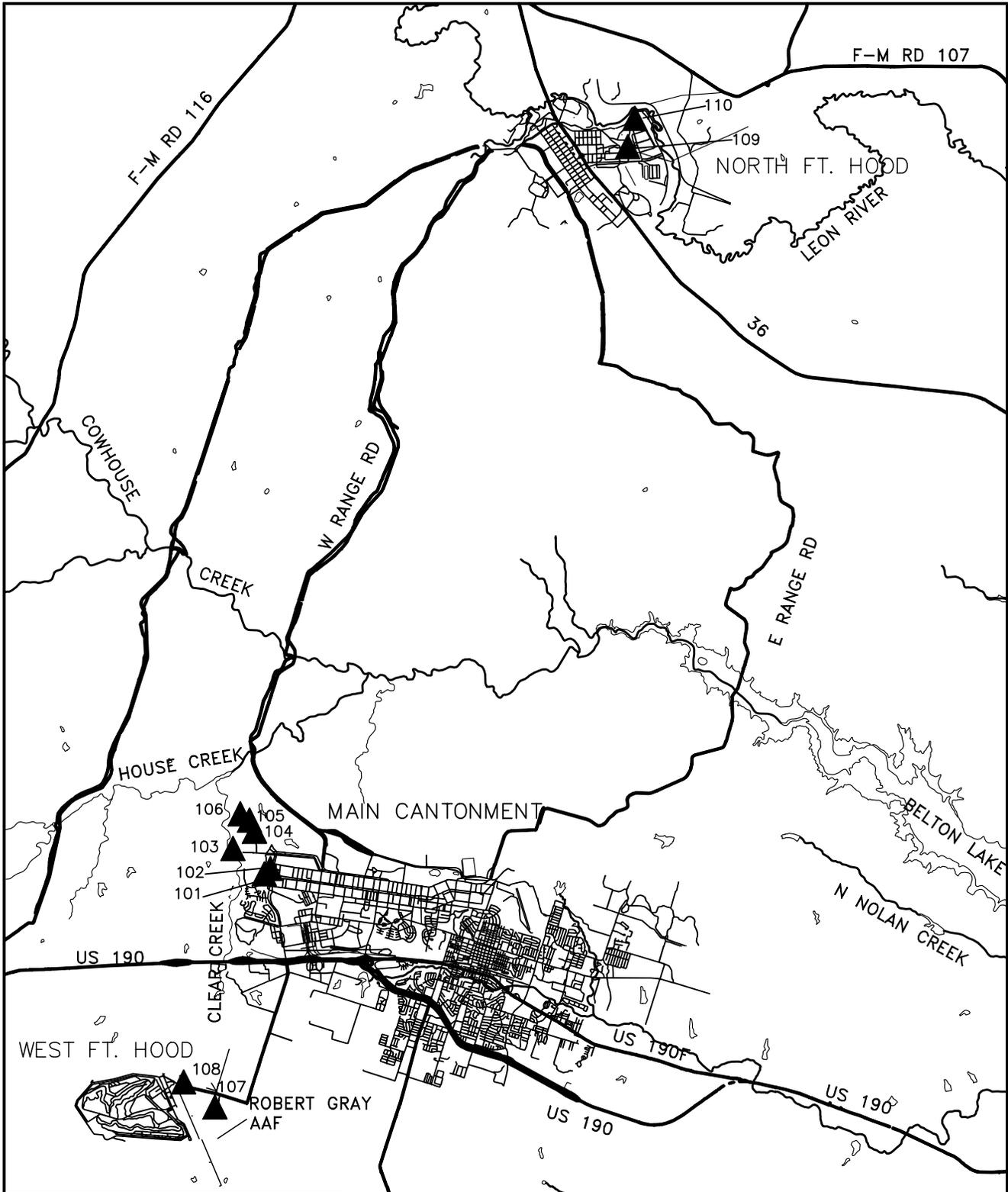
#### **4.3 BACKGROUND CHARACTERIZATION AND COMPARISONS WITH WASTE UNIT SAMPLING RESULTS**

In order to characterize naturally occurring constituents in soils at Fort Hood, samples were located and collected at 10 separate locations within the facility boundaries in the north, west, and main cantonments. Sampling locations are believed to be outside the influence of past or current industrial and/or waste activities at the facility. The general background sampling locations are presented in Figure 4.6. Background soils data and soil boring logs are presented in Appendices C and D, respectively.

Samples were analyzed for the following metals: arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. There were only 40 valid background sample results for selenium due to quality assurance/quality control (QA/QC) problems with the selenium data. A discussion of the data QA/QC is presented in Section 6.1. Mercury was detected in only 1 of 43 subsurface soil samples and selenium in 2 of 40 background subsurface samples. Silver was not detected in any background soil samples.

Two statistical methods presented in the RFI Work Plan can be used to determine if there is a statistically significant difference between background soil concentrations and the concentrations of metals detected in SWMU samples. Background statistical calculations were determined by combining metal results from surface soils (0-2 ft) and subsurface soils (>2 ft). Surface soils are evaluated separately from deeper soils in order to

NAME: S:\HOOD\BACK.DWG DATE: OCT 13, 1999 TIME: 5:22 PM PCP: S:\HOOD\PCP\FRP.PCP



**LEGEND**

-  MAJOR ROADS
-  RIVERS/STREAMS
-  WATER BODIES
-  BACKGROUND SOIL SAMPLE LOCATION

U.S. ARMY  
FORT HOOD, TEXAS

---

**RCRA FACILITY INVESTIGATION**

---

LOCATIONS OF  
BACKGROUND SOIL SAMPLES



Science Applications  
International Corporation Columbus, Ohio

DRAWN SC	CHECKED	DATE	SCALE 1"=5000M	PROJECT NO.	FIGURE NO. 4.2
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evaluate potential human health risks and to better characterize contaminants present in the different soil strata as discussed in Section 4.1. The statistical methods used to evaluate the background soil results are presented in Section 6 of the Final RCRA Facility Investigation Work Plan (USACE 1995). The methods include a 95% upper tolerance limit (UTL) calculation and an overall data set mean background concentration. The 95% UTL is an estimate of the 95th percentile of the population of background concentrations. The UTL is a value such that, with a high degree of confidence, 95% of all concentrations would be less than the UTL value. Results of the 95% UTL calculation are presented in Table 4.2. For inorganic parameters where the distribution was neither normal nor lognormal and where there were less than 50% detects, the maximum concentration detected was used in place of the 95% UTL. For inorganic parameters where there were no detects in the background samples the PQLs were used in place of the 95% UTLs as the background comparison value. The 95% UTL background value for soils was used as the primary background screening criteria for inorganics.

The second statistical method determines the mean concentration for each metal detected in background samples and compares it against the mean concentrations determined for SWMU analytes. At FH-008 all inorganic sample results were less than 95 % UTL, therefore, the mean comparison statistics were not needed. The flow chart from the Final RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995) used for the statistical evaluations is provided in Appendix E. Additionally, Appendix E contains spreadsheets of the Shapiro Wilk test on the background data for distribution, and results of the 95% UTL calculations for the background data. The values from the statistical calculations were used in the screening procedures and are included in the Table 4.2.

**Table 4.2 Statistical Analysis of 95% UTL Concentrations  
Background Soils**

Analyte (units)	Mean	95% UTL	Maximum Detect	Results> Detection Limit	Distribution
Arsenic (mg/kg)	4.3500	9.19	11.6	43/43	N
Barium (mg/kg)	30.19	157.3	155.0	43/43	L
Cadmium (mg/kg)	0.15	0.67	0.79	36/44	L
Chromium (mg/kg)	7.32	24.88	23.6	44/44	L
Lead (mg/kg)	5.77	19.0	33.20	44/44	L
Mercury (mg/kg)	0.0400	0.04*	0.04	1/44	D
Selenium (mg/kg)	0.345	0.44*	0.44	2/40	D
Silver (mg/kg)	0.218	**	ND	0/44	D

Results less than the detection limit were set to 2 the reported detection limit.

L-distribution most similar to lognormal.

N-distribution most similar to normal.

D-distribution not determined because fewer than five detects or less than 50% detects.

\*UTL =maximum detected

\*\* UTL not calculated - Insufficient detects.

ND - Not Detected

## 5.0 SOIL SCREENING ANALYSIS

The Texas Natural Resource Conservation Commission (TNRCC) has promulgated risk reduction standards (30 TAC 335, Subchapter S) for soils and groundwater for residential and industrial land uses. Risk reduction standards (RRSs) Number 1 are defined as background concentrations or analytical practical quantitation limit (PQL) values, whichever are greater. RRSs Number 2 are health-based standards and criteria that are deemed protective of human health or the environment. The TNRCC RRSs have been used to screen the data generated at FH-008 to determine whether or not constituents are present at the site at concentrations which may warrant further investigation.

The TNRCC RRSs Number 1 were used to determine if there has been a release of hazardous constituents from the site. In order to determine whether there has been a release at FH-008, soil sample results were compared to the 95% UTL background concentration levels. Background soil levels were determined for 8 metals and the results are presented in Section 4.3. Metals detected above background levels are considered a potential release from the unit. Organic constituents detected above the analytical Practical Quantitation Limit (PQL) are considered as a potential release. There were no inorganic constituents detected in surface or subsurface soils above background levels. Toluene was the only organic detected above PQLs in FH-008 soils. It was detected in two samples (one surface and one subsurface sample).

In order to determine whether or not the concentrations of toluene detected at FH-008 warrant further action, sample results were screened against the TNRCC RRS Number 2 for toluene. This numerical value is deemed protective of human health and is based on an ingestion of soil and inhalation of particulates and volatiles pathway and a soil-to-groundwater cross-media protection pathway. The maximum concentration of toluene detected in FH-008 soils (22 ppb) is well below the TNRCC RRS of 100 ppm. Complete results of the soil screening analysis are presented in Appendix F.

## 6.0 INVESTIGATION ANALYSIS

### 6.1 DATA QUALITY ASSURANCE/QUALITY CONTROL

The Fort Hood RFI Work Plan, the contract laboratory's Quality Assurance Plan, and USEPA SW-846 or other approved procedures for analytical chemistry and physical testing methods were followed for field and laboratory quality assurance/quality control (QA/QC) of FH-008 samples. According to the Work Plan, QA and QC samples were to be collected at a frequency of ten percent and analyzed along with the environmental samples. Field QC samples for FH-008 included trip blanks and equipment rinsate blanks. No field duplicate (QC) or split (QA) sample was collected at FH-008. Quality control analyses such as matrix spikes, blanks, and laboratory control samples were conducted by the contract laboratory as an internal control measure of the accuracy and precision of the data. Quality assurance sample analyses were performed by the Army Corps of Engineers Southwest District Laboratory as an external control measure of the accuracy and precision of the contract laboratory's results and of sampling procedures. The QA/QC and corresponding field sample results are reviewed by Army Corps of Engineers quality assurance personnel, who then issue a Chemical Quality Assurance Report (CQAR).

Laboratory QC procedures as prescribed by each analytical method were followed by the contract laboratory and included, where applicable: gas chromatography/mass spectrometry (GC/MS) tuning, initial and continuing calibrations, method/extraction blanks, laboratory control samples (LCS), surrogate spikes, internal and external standards, duplicates, matrix spikes/matrix spike duplicates (MS/MSDs), inductively coupled plasma (ICP) and atomic absorption (AA) related QC procedures/samples, and spiked sample clean-up results.

The CQAR addressed concerns with the FH-008 data. One issue was that data for 12 samples had been submitted for Corps review and no QA split sample had been submitted to the Corps laboratory for analyses. Only seven samples were collected at FH-008. The ten percent QA split sample was collected and evaluated with another SWMU. The other concern was the potential for data to be biased (high or low) and the potential for false positives or negatives based on matrix spike and laboratory control spike deviations from QC criteria. The deviations did not lead to the rejection or requalification of the data. Based on the CQAR findings, data are usable and have met the project DQOs.

Data QA/QC procedures included an independent data validation of ten percent of the results for compliance of analyses to DQOs. All FH-008 data that were reviewed for data validation met project DQOs and are usable data as qualified, with the exception of selenium results for 10 background soil samples (2 surface and 8 subsurface). The selenium results were rejected due to unacceptable matrix spike recoveries and were excluded from background calculations. The rejected background data had no impact on the FH-008 results.

Data validation of organics analyses indicated acetone and methylene chloride were present in the trip and equipment rinsate blanks for FH-008. Trip blank TB034 had an acetone concentration of 10 ppb. Rinsate samples ER018, ER028, ER049 had acetone concentrations of 15, 28, and 19 ppb, respectively, and ER028 had a methylene chloride concentration of 24 ppb. These results indicate a field procedure problem or laboratory contamination problem. The FH-008 samples were data validation qualified as non-detects (U) if the concentrations for acetone or methylene chloride were less than 10 times the concentration in the blanks associated with the samples. After completion of data validation the only organic compound detected at FH-

008 was toluene in samples 08SB105 (11 ppb) and 08SB103 (22 ppb). Sample 08SB105 was reanalysed due to a low surrogate recovery. The reanalysis indicated toluene (2 J ppb) was present, and the sample had low surrogate and internal standard recoveries. This is indicative of matrix interference in the sample. The FH-008 results after data validation and review of the CQAR are acceptable and usable as qualified.

## **6.2 INVESTIGATION RESULTS**

The data set for surface and subsurface soils at FH-008 and the quality of the data are useable to meet the objectives of the RFI as described in Section 4.0 of this report. A total of seven soil samples were collected from four soil boring locations and analyzed according to the Final RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995). The number and location of the samples were adequate to provide information regarding the presence/absence of contamination, the characterization of the vertical and lateral extent of potential contamination, and the boundaries of the suspected disposal area. Based on the results of the visual inspection, geophysical studies, and soil analysis it is believed that the unit is not a land disposal area. No buried wastes were detected during geophysical studies and soil sampling. Results of soil analysis indicated that metals did not exceed background in surface and subsurface soils. Toluene was detected in one surface and one subsurface soil sample at concentrations that are well below TNRCC RRSs Number 2. The frequency and concentration of toluene detected in FH-008 soils is considered de-minimus and is not representative of landfilling or disposal activities. The presence of toluene may be due to past use of the area for construction activities or as a borrow area.

## **7.0 CONCLUSIONS AND RECOMMENDATIONS**

The geophysical and analytical results indicate that unit FH-008 has not been used as a disposal area for municipal or hazardous waste. Historical information indicates that the site may have operated as a borrow pit rather than as a landfill and aerial photographs of the area taken in the 1970's reveal no evidence of disposal activities at the site. There are no inorganic constituents detected in surface or subsurface soils above naturally occurring background concentrations. Toluene was detected in surface and subsurface soils at concentrations well below risk-based screening criteria (TNRCC RRSs Number 2). The RFI results indicate that site FH-008 was not operated as a solid waste management unit and no further action is proposed for this site.

## 8.0 REFERENCES

- BEGM 1979. Geologic Atlas of Texas, Waco Sheet (map). University of Texas at Austin/Bureau of Economic Geology.
- 30 TAC 335. Industrial Solid Waste and Municipal Hazardous Waste, Subchapter K. Hazardous Substance Facilities Assessment and Remediation.
- U.S. Army. 1996a. Fort Hood 1996 Public Affairs Document. 72 p.
- U.S. Army. 1996b. Fort Hood Command Information Summary, 2nd Quarter 1996. Public Affairs Office, 21 p. (leaflet).
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- USACE. 1995. Final RCRA Facility Investigation Work Plan. 35 Solid Waste Management Units, Fort Hood, Texas. December 1995.
- USDA. 1985a. Soil Survey of Coryell County, Texas. Soil Conservation Service.
- USDA. 1985b. Soil Survey of Bell County, Texas. Soil Conservation Service.
- USEPA. SW-846 Test Methods for Evaluating Solid Waste. Physical/Chemical. Second Edition, Rev. 0, September, 1986, and Third Edition, Rev. 1, November 1990.
- USEPA. 1989. Guidance Document on the Statistical Analysis of Groundwater Monitoring Data at RCRA Facilities, EPA/530-SW-89-026.

**APPENDIX A**

**FH-008 Soil Boring Logs**

HTRW DRILLING LOG      OPERATION: FORT WORTH DISTRICT      INSTALLATION: FORT HOOD      SHEET OF SHEETS

1. PROJECT: FORT HOOD RFI      10. SIZE AND TYPE OF BIT: 4 1/4" HSA

2. LOCATION/STATION: FH-008      11. BATHY FOR ELEVATION: NA

3. DRILLING AGENCY: TERRA-MAR      12. MANUFACTURER'S DESIGNATION OF DRILL: MOBILE B-50

4. HOLE NUMBER: FH008-SB101      13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN: NA      DISTURBED:      UNDISTURBED:

5. NAME OF DRILLER: BILL CHRISTOPHER      14. TOTAL NUMBER OF CORE BOXES: NA

6. DIRECTION OF HOLE:  VERTICAL       INCLINED \_\_\_\_\_ DEGREES FROM VERTICAL      15. GROUNDWATER ELEVATION: NA

7. THICKNESS OF OVERBURDEN: NA      16. DATE HOLE: STARTED 2-14-97      COMPLETED 2-14-97

8. DEPTH DRILLED INTO ROCK:      17. ELEVATION TOP OF HOLE: NA

9. TOTAL DEPTH OF HOLE: 9.0'      18. TOTAL CORE RECOVERY FOR HOLE: NA PERCENT

ELEVATION (ft)	DEPTH (ft)	LEGEND (ft)	CLASSIFICATION OF MATERIALS (ft)	% CORE RECOVERY (%)	BOX OR SAMPLE NO. (ft)	REMARKS (ft)
	1.0		Silty clay 2.5 Y 7/4 pale yellow, firm, not plastic, dry, w. limestone fragments			① 008SB106
	2.0		same, mottled with 2.5 Y 6/6 olive yellow silty clay, dry, interbedded with weathered limestone			
	5.0		same, dry			
	6.5		Blue-gray weathered limestone or shale			
	8.0		same, dry			②
	9.0		TD			008SB107

SIGNATURE OF INSPECTOR/PAT: *[Signature]*      DATE: 2-14-97      PROJECT: Ft. Hood RFI      HOLE NO: FH008-SB101

# HTRW DRILLING LOG

PROJECT: FORT WORTH DISTRICT FORT HOOD

INSTALLATION:

SHEET 1 OF 2

1. PROJECT: FH Hood RFI

10. SIZE AND TYPE OF BIT: 4 1/4" HSA

2. LOCATION/STATION: FH-008

11. DATUM FOR ELEVATION/GROUND: NA

3. DRILLING AGENCY: TERRA-MAR

12. POWER ACQUIRES DESIGNATION OF DRILL: MOBILE B-50

4. HOLE NUMBER: FH008-SB103

13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN: NA  
DISTURBED: UNDISTURBED:

5. NAME OF DRILLER: BILL CHRISTOPHER

14. TOTAL NUMBER OF CORE BOXES: NA

6. DIRECTION OF HOLE:  VERTICAL  INCLINED \_\_\_\_\_ DEGREES FROM VERTICAL

15. GROUNDWATER ELEVATION: NA

7. THICKNESS OF OVERBURDEN: NA

16. DATE HOLE STARTED: 1-10-97 COMPLETED: 1-10-97

8. DEPTH DRILLED INTO ROCK: NA

17. ELEVATION TOP OF HOLE: NA

9. TOTAL DEPTH OF HOLE: 11.5'

18. TOTAL CORE RECOVERY FOR HOLE: NA PERCENT

ELEVATION (ft)	DEPTH (ft)	LEGEND (ft)	CLASSIFICATION OF MATERIALS (ft)	% CORE RECOVERY (ft)	BOX OR SAMPLE NO (ft)	REMARKS (ft)
	1.0		Silty clay mottled 2.5Y7/8 yellow and 2.5Y8/2 pale yellow, dry, not plastic, weathered limestone fragments			0BSB101
	2.0		same, dry			
	2.5		same, dry			Geotech. Sample
	3.5		same, dry			cuttings
	5.0		same, dry			
	6.0		same, dry			cuttings
	8.0		same, dry			
	9.0		same, dry			

SIGNATURE OF INSPECTOR/DATE: J. [Signature] 1-10-97

PROJECT: FH Hood RFI

HOLE NUMBER: FH008-SB103

# HTRW DRILLING LOG (continued)

PROJECT

Ft. Hood RFI

OPERATOR

J. DeVaname SAIZ

HOLE NUMBER

FH008-SB103

SHEET

2 OF 2

ELEVATION

DEPTH

LEGEND

CLASSIFICATION OF WATER

LOGS RECEIVED

BOX OR SAMPLE NO.

REMARKS

10.5

same, dry

11.0

Blue-gray weathered limestone, dry

11.5

same, dry

08SB102

12.0

TD

14.0

16.0

18.0

20.0

SIGNATURE OF INSPECTOR/DATE

J. DeVaname 1-10-97

PROJECT

Ft. Hood RFI

HOLE NO.

FH008-SB103

# HTRW DRILLING LOG

DIVISION  
**FORT WORTH DISTRICT**

INSTALLATION  
**FORT HOOD**

SHEET  
1 OF 1

1. PROJECT <b>Ft. Hood RFI</b>		10. SIZE AND TYPE OF BIT <b>4 1/4" HSA</b>	
2. LOCATION/STATION <b>FH-008</b>		11. DATUM FOR ELEVATION <b>NA</b>	
3. DRILLING AGENCY <b>TERRA MAR</b>		12. MANUFACTURER'S DESIGNATION OF DRILL <b>MOBILE B-50</b>	
4. HOLE NUMBER <b>FH008-S13104</b>		13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN <b>NA</b>	UNDISTURBED
5. NAME OF DRILLER <b>BILL CHRISTOPHER</b>		14. TOTAL NUMBER OF CORE SERIES <b>NA</b>	
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		15. GROUNDWATER ELEVATION <b>NA</b>	
7. THICKNESS OF OVERBURDEN <b>NA</b>		16. DATE HOLE STARTED	COMPLETED
8. DEPTH DRILLED INTO ROCK <b>NA</b>		<b>1-16-97</b> <b>1-16-97</b>	
9. TOTAL DEPTH OF HOLE <b>9.0 bas</b>		17. ELEVATION TOP OF HOLE <b>NA</b>	
		18. TOTAL CORE RECOVERY PERCENT <b>NA</b> _____ PERCENT	

ELEVATION (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS
	0.5		Gravel			
	1.0		Silty clay 2.5Y6/6 olive yellow, hard, dry, w/ plastic weathered limestone fragments			08S3104
	2.0		same, dry			
	4.0					
	5.0		same, dry			
	6.0		same, dry			
	7.0		Blue-gray weathered limestone			Geotech. Sample
	8.0					
	8.5					
	9.0		same, dry			08S3105
			TD			

SIGNATURE OF INSPECTOR/DATE: **J. Decker/m**     **1-16-97**     PROJECT: **Ft. Hood RFI**     HOLE NO.: **FH008-S13104**

# HTRW DRILLING LOG

PROJECT <b>FT. HOOD RFI</b>		DISTRICT <b>FORT WORTH DISTRICT</b>		INSTALLATION <b>FORT HOOD</b>		SHEET OF <b>2</b>	
LOCATION/STATION <b>FH-008</b>		SIZE AND TYPE OF BIT <b>4 1/4" HSA</b>		DATE FOR ELEVATION GIVEN <b>NA</b>			
DRILLING AGENCY <b>TERRAMAR</b>		MAKER AND MODEL OF EQUIPMENT <b>MOBILE B-50</b>		TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN <b>NA</b>		DISTURBED <b>NA</b>	
HOLE NUMBER <b>FH008-SB105</b>		TOTAL NUMBER OF CORE BOXES <b>NA</b>		TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN <b>NA</b>		UNDISTURBED <b>NA</b>	
NAME OF DRILLER <b>BILL CHRISTOPHER</b>		GROUNDWATER ELEVATION <b>NA</b>		DATE HOLE STARTED <b>1-11-97</b>		DATE HOLE COMPLETED <b>1-11-97</b>	
DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		ELEVATION TOP OF HOLE <b>NA</b>		TOTAL CORE RECOVERY FOR HOLE <b>NA</b>		PERCENT _____	
THICKNESS OF OVERBURDEN <b>NA</b>		DEPTH DRILLED INTO ROCK <b>NA</b>		TOTAL DEPTH OF HOLE <b>13.0'</b>			

ELEVATION (ft)	DEPTH (ft)	LEGEND (c)	CLASSIFICATION OF MATERIALS (b)	% CORE RECOVERY (d)	BOX OR SAMPLE NO (e)	REMARKS (f)
	0.5		Gravel (parking lot area)			
	1.0		Silty clay mottled 2.5Y7/8 yellow and 2.5Y8/2 pale yellow, not plastic, dry, hard, weathered limestone			08SB103
	2.0		same, dry			
	3.0		same, dry			cuttings
	4.0		same, dry			
	5.0		same, dry			
	6.0		same, dry			cuttings
	7.0					
	8.0					
	9.0		same, dry			
	10.0					

SIGNATURE OF INSPECTOR/DATE <b>J. Dwyer 1-11-97</b>	PROJECT <b>FT. HOOD RFI</b>	HOLE NUMBER <b>FH008-SB105</b>
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# HTRW DRILLING LOG (continued)

PROJECT

FT. Hood RFI

INSPECTOR

J. DeVanham, SAIC

HOLE NUMBER

FH008-S3105

SHEET

SHEETS

2 OF 2

ELEVATION (ft)

DEPTH (ft)

LEGEND (ft)

DESCRIPTION OF MATERIALS (ft)

W. CORE RECOVERED (%)

BOX OR SAMPLE NO. (ft)

REMARKS (ft)



ELEVATION (ft)	DEPTH (ft)	LEGEND (ft)	DESCRIPTION OF MATERIALS (ft)	W. CORE RECOVERED (%)	BOX OR SAMPLE NO. (ft)	REMARKS (ft)
	0		same, dry			cuttings
	11.5		Blue-gray weathered limestone, dry			cuttings
	12.5					
	13.0		TD			unable to recover sample
	14.0					
	16.0					
	18.0					
	27.0					

SIGNATURE OF INSPECTOR/DATE

J. DeVanham 1-11-97

PROJECT

FT. Hood RFI

HOLE NO.

FH008-S3105

**APPENDIX B**

**FH-008 Analytical Results**

### FH-008 Analytical Results

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7440-38-2	Arsenic	4.6	0.35	mg/kg	N	J	SW846 6010
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7440-39-3	Barium	11.5	0.07	mg/kg			SW846 6010
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7440-43-9	Cadmium	0.06	0.06	mg/kg	U	U	SW846 6010
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7440-47-3	Chromium	4.6	0.08	mg/kg	E	J	SW846 6010
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7439-92-1	Lead	3.2	0.20	mg/kg	N	J	SW846 6010
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7439-97-6	Mercury	0.04	0.04	mg/kg	U	U	SW846 6010
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7782-49-2	Selenium	1.2	1.2	mg/kg	UWN	UJ	SW846 6010
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7440-22-4	Silver	0.19	0.19	mg/kg	U	U	SW846 6010
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	120-82-1	1,2,4-Trichlorobenzene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-50-1	1,2-Dichlorobenzene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	541-73-1	1,3-Dichlorobenzene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	106-46-7	1,4-Dichlorobenzene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	108-60-1	2,2'-oxybis(1-chloropropane)	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-95-4	2,4,5-Trichlorophenol	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	88-06-2	2,4,6-Trichlorophenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	120-83-2	2,4-Dichlorophenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	105-67-9	2,4-Dimethylphenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	51-28-5	2,4-Dinitrophenol	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	121-14-2	2,4-Dinitrotoluene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	606-20-2	2,6-Dinitrotoluene	380	380	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	91-58-7	2-Chloronaphthalene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-57-8	2-Chlorophenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	91-57-6	2-Methylnaphthalene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-48-7	2-Methylphenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	88-74-4	2-Nitroaniline	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	88-75-5	2-Nitrophenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	91-94-1	3,3'-Dichlorobenzidine	750	750	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	99-09-2	3-Nitroaniline	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	534-52-1	4,6-Dinitro-o-Cresol	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	101-55-3	4-Bromophenyl-phenyl Ether	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	106-47-8	4-Chloroaniline	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	7005-72-3	4-Chlorophenyl-phenylether	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	106-44-5	4-Methylphenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	100-01-6	4-Nitroaniline	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	100-02-7	4-Nitrophenol	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	59-50-7	4-chloro-3-methylphenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	83-32-9	Acenaphthene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	208-96-8	Acenaphthylene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	120-12-7	Anthracene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	56-55-3	Benzo(a)anthracene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	50-32-8	Benzo(a)pyrene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	205-99-2	Benzo(b)fluoranthene	380	380	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	191-24-2	Benzo(g,h,i)perylene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	207-08-9	Benzo(k)fluoranthene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	65-85-0	Benzoic Acid	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	100-51-6	Benzyl Alcohol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	111-91-1	Bis(2-chloroethoxy)methane	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	111-44-4	Bis(2-chloroethyl)ether	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	117-81-7	Bis(2-ethylhexyl)phthalate	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	85-68-7	Butyl Benzyl Phthalate	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	218-01-9	Chrysene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	84-74-2	Di-n-butyl Phthalate	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	117-84-0	Di-n-octyl Phthalate	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	53-70-3	Dibenz(a,h)anthracene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	132-64-9	Dibenzofuran	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	84-66-2	Diethyl Phthalate	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	131-11-3	Dimethyl Phthalate	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	206-44-0	Fluoranthene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	86-73-7	Fluorene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	118-74-1	Hexachlorobenzene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	87-68-3	Hexachlorobutadiene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	77-47-4	Hexachlorocyclopentadiene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	67-72-1	Hexachloroethane	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	193-39-5	Indeno(1,2,3-cd)pyrene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	78-59-1	Isophorone	380	380	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	621-64-7	N-Nitroso-di-n-propylamine	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	86-30-6	N-Nitrosodiphenylamine	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	91-20-3	Naphthalene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	98-95-3	Nitrobenzene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	87-86-5	Pentachlorophenol	1800	1800	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	85-01-8	Phenanthrene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	108-95-2	Phenol	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	129-00-0	Pyrene	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	110-86-1	Pyridine	380	380	ug/kg	U		SW846 8270
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	630-20-6	1,1,1,2-Tetrachloroethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	71-55-6	1,1,1-Trichloroethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	79-34-5	1,1,2,2-Tetrachloroethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	79-00-5	1,1,2-Trichloroethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-34-3	1,1-Dichloroethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-35-4	1,1-Dichloroethene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	563-58-6	1,1-Dichloropropene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	87-61-6	1,2,3-Trichlorobenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	96-18-4	1,2,3-Trichloropropane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	120-82-1	1,2,4-Trichlorobenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-63-6	1,2,4-trimethylbenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	106-93-4	1,2-Dibromoethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-50-1	1,2-Dichlorobenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	107-06-2	1,2-Dichloroethane	6	6	ug/kg	U		SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	78-87-5	1,2-Dichloropropane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	156-59-2	1,2-cis-Dichloroethene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	96-12-8	1,2-dibromo-3-chloropropane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	156-60-5	1,2-trans-Dichloroethene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	108-67-8	1,3,5-trimethylbenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	541-73-1	1,3-Dichlorobenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	142-28-9	1,3-Dichloropropane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	106-46-7	1,4-Dichlorobenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	594-20-7	2,2-Dichloropropane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	78-93-3	2-Butanone	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-49-8	2-Chlorotoluene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	591-78-6	2-Hexanone	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	106-43-4	4-Chlorotoluene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	108-10-1	4-Methyl-2-pentanone	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	67-64-1	Acetone	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	71-43-2	Benzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	108-86-1	Bromobenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	74-97-5	Bromochloromethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-27-4	Bromodichloromethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-25-2	Bromoform	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	74-83-9	Bromomethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	56-23-5	Carbon Tetrachloride	6	6	ug/kg	U		SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	108-90-7	Chlorobenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-00-3	Chloroethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	67-66-3	Chloroform	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	74-87-3	Chloromethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	124-48-1	Dibromochloromethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	74-95-3	Dibromomethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-71-8	Dichlorodifluoromethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	100-41-4	Ethylbenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	87-68-3	Hexachlorobutadiene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	98-82-8	Isopropyl Benzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-09-2	Methylene Chloride	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	91-20-3	Naphthalene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	100-42-5	Styrene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	127-18-4	Tetrachloroethene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	108-88-3	Toluene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	79-01-6	Trichloroethene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-69-4	Trichlorofluoromethane	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	75-01-4	Vinyl Chloride	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	13-302-07	m,p-Xylene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	104-51-8	n-Butylbenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	103-65-1	n-propylbenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	95-47-6	o-Xylene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	99-87-6	p-Isopropyltoluene	6	6	ug/kg	U		SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	135-98-8	sec-Butylbenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB106	FH008-SB106/02-14-97/0.0-1.0	02/14/1997	0.0-1.0	98-06-6	tert-Butylbenzene	6	6	ug/kg	U		SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7440-38-2	Arsenic	1.6	0.34	mg/kg	N	J	SW846 6010
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7440-39-3	Barium	14.4	0.07	mg/kg			SW846 6010
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7440-43-9	Cadmium	0.08	0.05	mg/kg	B		SW846 6010
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7440-47-3	Chromium	3.8	0.08	mg/kg	E	J	SW846 6010
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7439-92-1	Lead	1	0.20	mg/kg	N	J	SW846 6010
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7439-97-6	Mercury	0.04	0.04	mg/kg	U	U	SW846 6010
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7782-49-2	Selenium	1.2	1.2	mg/kg	UWN	UJ	SW846 6010
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7440-22-4	Silver	0.19	0.19	mg/kg	U	U	SW846 6010
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-94-3	1,2,4,5-Tetrachlorobenzene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	120-82-1	1,2,4-Trichlorobenzene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-50-1	1,2-Dichlorobenzene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	541-73-1	1,3-Dichlorobenzene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	106-46-7	1,4-Dichlorobenzene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	108-60-1	2,2'-oxybis(1-chloropropane)	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-95-4	2,4,5-Trichlorophenol	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	88-06-2	2,4,6-Trichlorophenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	120-83-2	2,4-Dichlorophenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	105-67-9	2,4-Dimethylphenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	51-28-5	2,4-Dinitrophenol	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	121-14-2	2,4-Dinitrotoluene	360	360	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	606-20-2	2,6-Dinitrotoluene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	91-58-7	2-Chloronaphthalene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-57-8	2-Chlorophenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	91-57-6	2-Methylnaphthalene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-48-7	2-Methylphenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	88-74-4	2-Nitroaniline	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	88-75-5	2-Nitrophenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	91-94-1	3,3'-Dichlorobenzidine	720	720	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	99-09-2	3-Nitroaniline	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	534-52-1	4,6-Dinitro-o-Cresol	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	101-55-3	4-Bromophenyl-phenyl Ether	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	106-47-8	4-Chloroaniline	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	7005-72-3	4-Chlorophenyl-phenylether	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	106-44-5	4-Methylphenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	100-01-6	4-Nitroaniline	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	100-02-7	4-Nitrophenol	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	59-50-7	4-chloro-3-methylphenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	83-32-9	Acenaphthene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	208-96-8	Acenaphthylene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	120-12-7	Anthracene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	56-55-3	Benzo(a)anthracene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	50-32-8	Benzo(a)pyrene	360	360	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	205-99-2	Benzo(b)fluoranthene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	191-24-2	Benzo(g,h,i)perylene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	207-08-9	Benzo(k)fluoranthene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	65-85-0	Benzoic Acid	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	100-51-6	Benzyl Alcohol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	111-91-1	Bis(2-chloroethoxy)methane	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	111-44-4	Bis(2-chloroethyl)ether	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	117-81-7	Bis(2-ethylhexyl)phthalate	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	85-68-7	Butyl Benzyl Phthalate	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	218-01-9	Chrysene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	84-74-2	Di-n-butyl Phthalate	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	117-84-0	Di-n-octyl Phthalate	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	53-70-3	Dibenz(a,h)anthracene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	132-64-9	Dibenzofuran	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	84-66-2	Diethyl Phthalate	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	131-11-3	Dimethyl Phthalate	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	206-44-0	Fluoranthene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	86-73-7	Fluorene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	118-74-1	Hexachlorobenzene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	87-68-3	Hexachlorobutadiene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	77-47-4	Hexachlorocyclopentadiene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	67-72-1	Hexachloroethane	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	193-39-5	Indeno(1,2,3-cd)pyrene	360	360	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	78-59-1	Isophorone	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	621-64-7	N-Nitroso-di-n-propylamine	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	86-30-6	N-Nitrosodiphenylamine	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	91-20-3	Naphthalene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	98-95-3	Nitrobenzene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	87-86-5	Pentachlorophenol	1700	1700	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	85-01-8	Phenanthrene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	108-95-2	Phenol	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	129-00-0	Pyrene	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	110-86-1	Pyridine	360	360	ug/kg	U		SW846 8270
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	630-20-6	1,1,1,2-Tetrachloroethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	71-55-6	1,1,1-Trichloroethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	79-34-5	1,1,2,2-Tetrachloroethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	79-00-5	1,1,2-Trichloroethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-34-3	1,1-Dichloroethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-35-4	1,1-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	563-58-6	1,1-Dichloropropene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	87-61-6	1,2,3-Trichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	96-18-4	1,2,3-Trichloropropane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	120-82-1	1,2,4-Trichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-63-6	1,2,4-trimethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	106-93-4	1,2-Dibromoethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-50-1	1,2-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	107-06-2	1,2-Dichloroethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	78-87-5	1,2-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	156-59-2	1,2-cis-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	96-12-8	1,2-dibromo-3-chloropropane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	156-60-5	1,2-trans-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	108-67-8	1,3,5-trimethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	541-73-1	1,3-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	142-28-9	1,3-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	106-46-7	1,4-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	594-20-7	2,2-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	78-93-3	2-Butanone	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-49-8	2-Chlorotoluene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	591-78-6	2-Hexanone	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	106-43-4	4-Chlorotoluene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	108-10-1	4-Methyl-2-pentanone	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	67-64-1	Acetone	120	5	ug/kg		U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	71-43-2	Benzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	108-86-1	Bromobenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	74-97-5	Bromochloromethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-27-4	Bromodichloromethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-25-2	Bromoform	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	74-83-9	Bromomethane	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	56-23-5	Carbon Tetrachloride	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	108-90-7	Chlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-00-3	Chloroethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	67-66-3	Chloroform	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	74-87-3	Chloromethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	124-48-1	Dibromochloromethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	74-95-3	Dibromomethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-71-8	Dichlorodifluoromethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	100-41-4	Ethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	87-68-3	Hexachlorobutadiene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	98-82-8	Isopropyl Benzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-09-2	Methylene Chloride	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	91-20-3	Naphthalene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	100-42-5	Styrene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	127-18-4	Tetrachloroethene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	108-88-3	Toluene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	79-01-6	Trichloroethene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-69-4	Trichlorofluoromethane	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	75-01-4	Vinyl Chloride	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	13-302-07	m,p-Xylene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	104-51-8	n-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	103-65-1	n-propylbenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	95-47-6	o-Xylene	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	99-87-6	p-Isopropyltoluene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	135-98-8	sec-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB101	08SB107	FH008-SB107/02-14-97/8.0-9.0	02/14/1997	8.0-9.0	98-06-6	tert-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7440-38-2	Arsenic	4.7	0.37	mg/kg			SW846 6010
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7440-39-3	Barium	8.1	0.09	mg/kg			SW846 6010
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7440-43-9	Cadmium	0.1	0.04	mg/kg	B		SW846 6010
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7440-47-3	Chromium	4.4	0.09	mg/kg			SW846 6010
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7439-92-1	Lead	1.8	0.16	mg/kg			SW846 6010
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7439-97-6	Mercury	0.04	0.04	mg/kg	U	U	SW846 7470
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7782-49-2	Selenium	0.22	0.22	mg/kg	UW	UJ	SW846 7740
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7440-22-4	Silver	0.21	0.21	mg/kg	U	U	SW846 6010
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	120-82-1	1,2,4-Trichlorobenzene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-50-1	1,2-Dichlorobenzene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	541-73-1	1,3-Dichlorobenzene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	106-46-7	1,4-Dichlorobenzene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	108-60-1	2,2'-oxybis(1-chloropropane)	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-95-4	2,4,5-Trichlorophenol	1800	1800	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	88-06-2	2,4,6-Trichlorophenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	120-83-2	2,4-Dichlorophenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	105-67-9	2,4-Dimethylphenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	51-28-5	2,4-Dinitrophenol	1800	1800	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	121-14-2	2,4-Dinitrotoluene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	606-20-2	2,6-Dinitrotoluene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	91-58-7	2-Chloronaphthalene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-57-8	2-Chlorophenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	91-57-6	2-Methylnaphthalene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-48-7	2-Methylphenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	88-74-4	2-Nitroaniline	1800	1800	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	88-75-5	2-Nitrophenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	91-94-1	3,3'-Dichlorobenzidine	730	730	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	99-09-2	3-Nitroaniline	1800	1800	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	534-52-1	4,6-Dinitro-o-Cresol	1800	1800	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	101-55-3	4-Bromophenyl-phenyl Ether	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	106-47-8	4-Chloroaniline	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	7005-72-3	4-Chlorophenyl-phenylether	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	106-44-5	4-Methylphenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	100-01-6	4-Nitroaniline	1800	1800	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	100-02-7	4-Nitrophenol	1800	1800	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	59-50-7	4-chloro-3-methylphenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	83-32-9	Acenaphthene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	208-96-8	Acenaphthylene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	120-12-7	Anthracene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	56-55-3	Benzo(a)anthracene	370	370	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	50-32-8	Benzo(a)pyrene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	205-99-2	Benzo(b)fluoranthene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	191-24-2	Benzo(g,h,i)perylene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	207-08-9	Benzo(k)fluoranthene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	65-85-0	Benzoic Acid	1800	1800	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	100-51-6	Benzyl Alcohol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	111-91-1	Bis(2-chloroethoxy)methane	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	111-44-4	Bis(2-chloroethyl)ether	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	117-81-7	Bis(2-ethylhexyl)phthalate	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	85-68-7	Butyl Benzyl Phthalate	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	218-01-9	Chrysene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	84-74-2	Di-n-butyl Phthalate	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	117-84-0	Di-n-octyl Phthalate	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	53-70-3	Dibenz(a,h)anthracene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	132-64-9	Dibenzofuran	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	84-66-2	Diethyl Phthalate	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	131-11-3	Dimethyl Phthalate	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	206-44-0	Fluoranthene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	86-73-7	Fluorene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	118-74-1	Hexachlorobenzene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	87-68-3	Hexachlorobutadiene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	77-47-4	Hexachlorocyclopentadiene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	67-72-1	Hexachloroethane	370	370	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	193-39-5	Indeno(1,2,3-cd)pyrene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	78-59-1	Isophorone	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	621-64-7	N-Nitroso-di-n-propylamine	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	86-30-6	N-Nitrosodiphenylamine	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	91-20-3	Naphthalene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	98-95-3	Nitrobenzene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	87-86-5	Pentachlorophenol	1800	1800	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	85-01-8	Phenanthrene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	108-95-2	Phenol	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	129-00-0	Pyrene	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	110-86-1	Pyridine	370	370	ug/kg	U	U	SW846 8270
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	630-20-6	1,1,1,2-Tetrachloroethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	71-55-6	1,1,1-Trichloroethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	79-34-5	1,1,2,2-Tetrachloroethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	79-00-5	1,1,2-Trichloroethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-34-3	1,1-Dichloroethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-35-4	1,1-Dichloroethene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	563-58-6	1,1-Dichloropropene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	87-61-6	1,2,3-Trichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	96-18-4	1,2,3-Trichloropropane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	120-82-1	1,2,4-Trichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-63-6	1,2,4-trimethylbenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	106-93-4	1,2-Dibromoethane	6	6	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-50-1	1,2-Dichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	107-06-2	1,2-Dichloroethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	78-87-5	1,2-Dichloropropane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	156-59-2	1,2-cis-Dichloroethene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	96-12-8	1,2-dibromo-3-chloropropane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	156-60-5	1,2-trans-Dichloroethene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	108-67-8	1,3,5-trimethylbenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	541-73-1	1,3-Dichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	142-28-9	1,3-Dichloropropane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	106-46-7	1,4-Dichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	594-20-7	2,2-Dichloropropane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	78-93-3	2-Butanone	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-49-8	2-Chlorotoluene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	591-78-6	2-Hexanone	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	106-43-4	4-Chlorotoluene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	108-10-1	4-Methyl-2-pentanone	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	67-64-1	Acetone	37	6	ug/kg		U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	71-43-2	Benzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	108-86-1	Bromobenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	74-97-5	Bromochloromethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-27-4	Bromodichloromethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-25-2	Bromoform	6	6	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	74-83-9	Bromomethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	56-23-5	Carbon Tetrachloride	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	108-90-7	Chlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-00-3	Chloroethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	67-66-3	Chloroform	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	74-87-3	Chloromethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	124-48-1	Dibromochloromethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	74-95-3	Dibromomethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-71-8	Dichlorodifluoromethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	100-41-4	Ethylbenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	87-68-3	Hexachlorobutadiene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	98-82-8	Isopropyl Benzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-09-2	Methylene Chloride	20	6	ug/kg		U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	91-20-3	Naphthalene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	100-42-5	Styrene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	127-18-4	Tetrachloroethene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	108-88-3	Toluene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	79-01-6	Trichloroethene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-69-4	Trichlorofluoromethane	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	75-01-4	Vinyl Chloride	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	13-302-07	m,p-Xylene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	104-51-8	n-Butylbenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	103-65-1	n-propylbenzene	6	6	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	95-47-6	o-Xylene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	99-87-6	p-Isopropyltoluene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	135-98-8	sec-Butylbenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB101	FH008-SB101/01-10-97/0.0-1.0	01/10/1997	0.0-1.0	98-06-6	tert-Butylbenzene	6	6	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7440-38-2	Arsenic	3.3	0.36	mg/kg			SW846 6010
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7440-39-3	Barium	27.5	0.09	mg/kg			SW846 6010
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7440-43-9	Cadmium	0.16	0.04	mg/kg	B		SW846 6010
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7440-47-3	Chromium	3.2	0.09	mg/kg			SW846 6010
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7439-92-1	Lead	2.3	0.15	mg/kg			SW846 6010
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7439-97-6	Mercury	0.04	0.04	mg/kg	U	U	SW846 7470
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7782-49-2	Selenium	1.1	1.1	mg/kg	UW	UJ	SW846 7740
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7440-22-4	Silver	0.21	0.21	mg/kg	U	U	SW846 6010
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-94-3	1,2,4,5-Tetrachlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	120-82-1	1,2,4-Trichlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-50-1	1,2-Dichlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	541-73-1	1,3-Dichlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	106-46-7	1,4-Dichlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	108-60-1	2,2'-oxybis(1-chloropropane)	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-95-4	2,4,5-Trichlorophenol	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	88-06-2	2,4,6-Trichlorophenol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	120-83-2	2,4-Dichlorophenol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	105-67-9	2,4-Dimethylphenol	360	360	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	51-28-5	2,4-Dinitrophenol	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	121-14-2	2,4-Dinitrotoluene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	606-20-2	2,6-Dinitrotoluene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	91-58-7	2-Chloronaphthalene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-57-8	2-Chlorophenol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	91-57-6	2-Methylnaphthalene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-48-7	2-Methylphenol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	88-74-4	2-Nitroaniline	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	88-75-5	2-Nitrophenol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	91-94-1	3,3'-Dichlorobenzidine	720	720	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	99-09-2	3-Nitroaniline	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	534-52-1	4,6-Dinitro-o-Cresol	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	101-55-3	4-Bromophenyl-phenyl Ether	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	106-47-8	4-Chloroaniline	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	7005-72-3	4-Chlorophenyl-phenylether	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	106-44-5	4-Methylphenol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	100-01-6	4-Nitroaniline	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	100-02-7	4-Nitrophenol	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	59-50-7	4-chloro-3-methylphenol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	83-32-9	Acenaphthene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	208-96-8	Acenaphthylene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	120-12-7	Anthracene	360	360	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	56-55-3	Benzo(a)anthracene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	50-32-8	Benzo(a)pyrene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	205-99-2	Benzo(b)fluoranthene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	191-24-2	Benzo(g,h,i)perylene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	207-08-9	Benzo(k)fluoranthene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	65-85-0	Benzoic Acid	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	100-51-6	Benzyl Alcohol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	111-91-1	Bis(2-chloroethoxy)methane	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	111-44-4	Bis(2-chloroethyl)ether	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	117-81-7	Bis(2-ethylhexyl)phthalate	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	85-68-7	Butyl Benzyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	218-01-9	Chrysene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	84-74-2	Di-n-butyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	117-84-0	Di-n-octyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	53-70-3	Dibenz(a,h)anthracene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	132-64-9	Dibenzofuran	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	84-66-2	Diethyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	131-11-3	Dimethyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	206-44-0	Fluoranthene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	86-73-7	Fluorene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	118-74-1	Hexachlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	87-68-3	Hexachlorobutadiene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	77-47-4	Hexachlorocyclopentadiene	360	360	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	67-72-1	Hexachloroethane	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	193-39-5	Indeno(1,2,3-cd)pyrene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	78-59-1	Isophorone	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	621-64-7	N-Nitroso-di-n-propylamine	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	86-30-6	N-Nitrosodiphenylamine	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	91-20-3	Naphthalene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	98-95-3	Nitrobenzene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	87-86-5	Pentachlorophenol	1700	1700	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	85-01-8	Phenanthrene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	108-95-2	Phenol	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	129-00-0	Pyrene	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	110-86-1	Pyridine	360	360	ug/kg	U	U	SW846 8270
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	630-20-6	1,1,1,2-Tetrachloroethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	71-55-6	1,1,1-Trichloroethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	79-34-5	1,1,2,2-Tetrachloroethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	79-00-5	1,1,2-Trichloroethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-34-3	1,1-Dichloroethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-35-4	1,1-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	563-58-6	1,1-Dichloropropene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	87-61-6	1,2,3-Trichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	96-18-4	1,2,3-Trichloropropane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	120-82-1	1,2,4-Trichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-63-6	1,2,4-trimethylbenzene	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	106-93-4	1,2-Dibromoethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-50-1	1,2-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	107-06-2	1,2-Dichloroethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	78-87-5	1,2-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	156-59-2	1,2-cis-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	96-12-8	1,2-dibromo-3-chloropropane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	156-60-5	1,2-trans-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	108-67-8	1,3,5-trimethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	541-73-1	1,3-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	142-28-9	1,3-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	106-46-7	1,4-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	594-20-7	2,2-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	78-93-3	2-Butanone	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-49-8	2-Chlorotoluene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	591-78-6	2-Hexanone	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	106-43-4	4-Chlorotoluene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	108-10-1	4-Methyl-2-pentanone	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	67-64-1	Acetone	3	5	ug/kg	J	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	71-43-2	Benzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	108-86-1	Bromobenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	74-97-5	Bromochloromethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-27-4	Bromodichloromethane	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-25-2	Bromoform	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	74-83-9	Bromomethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	56-23-5	Carbon Tetrachloride	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	108-90-7	Chlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-00-3	Chloroethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	67-66-3	Chloroform	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	74-87-3	Chloromethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	124-48-1	Dibromochloromethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	74-95-3	Dibromomethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-71-8	Dichlorodifluoromethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	100-41-4	Ethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	87-68-3	Hexachlorobutadiene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	98-82-8	Isopropyl Benzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-09-2	Methylene Chloride	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	91-20-3	Naphthalene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	100-42-5	Styrene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	127-18-4	Tetrachloroethene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	108-88-3	Toluene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	79-01-6	Trichloroethene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-69-4	Trichlorofluoromethane	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	75-01-4	Vinyl Chloride	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	13-302-07	m,p-Xylene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	104-51-8	n-Butylbenzene	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	103-65-1	n-propylbenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	95-47-6	o-Xylene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	99-87-6	p-Isopropyltoluene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	135-98-8	sec-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB103	08SB102	FH008-SB102/01-10-97/11.0-11.5	01/10/1997	11.0-11.5	98-06-6	tert-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7440-38-2	Arsenic	5.3	0.37	mg/kg			SW846 6010
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7440-39-3	Barium	11.4	0.09	mg/kg			SW846 6010
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7440-43-9	Cadmium	0.14	0.04	mg/kg	B		SW846 6010
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7440-47-3	Chromium	6.3	0.09	mg/kg			SW846 6010
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7439-92-1	Lead	2.9	0.16	mg/kg			SW846 6010
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7439-97-6	Mercury	0.04	0.04	mg/kg	U	U	SW846 7470
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7782-49-2	Selenium	1.6	1.6	mg/kg	UW	UJ	SW846 7740
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7440-22-4	Silver	0.21	0.21	mg/kg	U	U	SW846 6010
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	120-82-1	1,2,4-Trichlorobenzene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-50-1	1,2-Dichlorobenzene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	541-73-1	1,3-Dichlorobenzene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	106-46-7	1,4-Dichlorobenzene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	108-60-1	2,2'-oxybis(1-chloropropane)	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-95-4	2,4,5-Trichlorophenol	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	88-06-2	2,4,6-Trichlorophenol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	120-83-2	2,4-Dichlorophenol	370	370	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	105-67-9	2,4-Dimethylphenol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	51-28-5	2,4-Dinitrophenol	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	121-14-2	2,4-Dinitrotoluene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	606-20-2	2,6-Dinitrotoluene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	91-58-7	2-Chloronaphthalene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-57-8	2-Chlorophenol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	91-57-6	2-Methylnaphthalene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-48-7	2-Methylphenol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	88-74-4	2-Nitroaniline	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	88-75-5	2-Nitrophenol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	91-94-1	3,3'-Dichlorobenzidine	730	730	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	99-09-2	3-Nitroaniline	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	534-52-1	4,6-Dinitro-o-Cresol	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	101-55-3	4-Bromophenyl-phenyl Ether	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	106-47-8	4-Chloroaniline	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	7005-72-3	4-Chlorophenyl-phenylether	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	106-44-5	4-Methylphenol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	100-01-6	4-Nitroaniline	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	100-02-7	4-Nitrophenol	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	59-50-7	4-chloro-3-methylphenol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	83-32-9	Acenaphthene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	208-96-8	Acenaphthylene	370	370	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	120-12-7	Anthracene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	56-55-3	Benzo(a)anthracene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	50-32-8	Benzo(a)pyrene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	205-99-2	Benzo(b)fluoranthene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	191-24-2	Benzo(g,h,i)perylene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	207-08-9	Benzo(k)fluoranthene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	65-85-0	Benzoic Acid	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	100-51-6	Benzyl Alcohol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	111-91-1	Bis(2-chloroethoxy)methane	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	111-44-4	Bis(2-chloroethyl)ether	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	117-81-7	Bis(2-ethylhexyl)phthalate	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	85-68-7	Butyl Benzyl Phthalate	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	218-01-9	Chrysene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	84-74-2	Di-n-butyl Phthalate	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	117-84-0	Di-n-octyl Phthalate	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	53-70-3	Dibenz(a,h)anthracene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	132-64-9	Dibenzofuran	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	84-66-2	Diethyl Phthalate	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	131-11-3	Dimethyl Phthalate	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	206-44-0	Fluoranthene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	86-73-7	Fluorene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	118-74-1	Hexachlorobenzene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	87-68-3	Hexachlorobutadiene	370	370	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	77-47-4	Hexachlorocyclopentadiene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	67-72-1	Hexachloroethane	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	193-39-5	Indeno(1,2,3-cd)pyrene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	78-59-1	Isophorone	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	621-64-7	N-Nitroso-di-n-propylamine	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	86-30-6	N-Nitrosodiphenylamine	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	91-20-3	Naphthalene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	98-95-3	Nitrobenzene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	87-86-5	Pentachlorophenol	1800	1800	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	85-01-8	Phenanthrene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	108-95-2	Phenol	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	129-00-0	Pyrene	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	110-86-1	Pyridine	370	370	ug/kg	U		SW846 8270
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	630-20-6	1,1,1,2-Tetrachloroethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	71-55-6	1,1,1-Trichloroethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	79-34-5	1,1,2,2-Tetrachloroethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	79-00-5	1,1,2-Trichloroethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-34-3	1,1-Dichloroethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-35-4	1,1-Dichloroethene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	563-58-6	1,1-Dichloropropene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	87-61-6	1,2,3-Trichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	96-18-4	1,2,3-Trichloropropane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	120-82-1	1,2,4-Trichlorobenzene	6	6	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-63-6	1,2,4-trimethylbenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	106-93-4	1,2-Dibromoethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-50-1	1,2-Dichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	107-06-2	1,2-Dichloroethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	78-87-5	1,2-Dichloropropane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	156-59-2	1,2-cis-Dichloroethene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	96-12-8	1,2-dibromo-3-chloropropane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	156-60-5	1,2-trans-Dichloroethene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	108-67-8	1,3,5-trimethylbenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	541-73-1	1,3-Dichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	142-28-9	1,3-Dichloropropane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	106-46-7	1,4-Dichlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	594-20-7	2,2-Dichloropropane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	78-93-3	2-Butanone	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-49-8	2-Chlorotoluene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	591-78-6	2-Hexanone	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	106-43-4	4-Chlorotoluene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	108-10-1	4-Methyl-2-pentanone	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	67-64-1	Acetone	34	6	ug/kg		U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	71-43-2	Benzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	108-86-1	Bromobenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	74-97-5	Bromochloromethane	6	6	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-27-4	Bromodichloromethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-25-2	Bromoform	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	74-83-9	Bromomethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	56-23-5	Carbon Tetrachloride	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	108-90-7	Chlorobenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-00-3	Chloroethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	67-66-3	Chloroform	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	74-87-3	Chloromethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	124-48-1	Dibromochloromethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	74-95-3	Dibromomethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-71-8	Dichlorodifluoromethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	100-41-4	Ethylbenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	87-68-3	Hexachlorobutadiene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	98-82-8	Isopropyl Benzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-09-2	Methylene Chloride	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	91-20-3	Naphthalene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	100-42-5	Styrene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	127-18-4	Tetrachloroethene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	108-88-3	Toluene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	79-01-6	Trichloroethene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-69-4	Trichlorofluoromethane	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	75-01-4	Vinyl Chloride	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	13-302-07	m,p-Xylene	6	6	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	104-51-8	n-Butylbenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	103-65-1	n-propylbenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	95-47-6	o-Xylene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	99-87-6	p-Isopropyltoluene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	135-98-8	sec-Butylbenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB104	FH008-SB104/01-16-97/0.5-1.0	01/16/1997	0.5-1.0	98-06-6	tert-Butylbenzene	6	6	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7440-38-2	Arsenic	2.5	0.35	mg/kg			SW846 6010
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7440-39-3	Barium	6.3	0.09	mg/kg			SW846 6010
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7440-43-9	Cadmium	0.09	0.04	mg/kg	B		SW846 6010
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7440-47-3	Chromium	3.3	0.09	mg/kg			SW846 6010
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7439-92-1	Lead	1.7	0.15	mg/kg			SW846 6010
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7439-97-6	Mercury	0.04	0.04	mg/kg	U	U	SW846 7470
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7782-49-2	Selenium	1.5	1.5	mg/kg	UW	UJ	SW846 7740
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7440-22-4	Silver	0.2	0.20	mg/kg	U	U	SW846 6010
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-94-3	1,2,4,5-Tetrachlorobenzene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	120-82-1	1,2,4-Trichlorobenzene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-50-1	1,2-Dichlorobenzene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	541-73-1	1,3-Dichlorobenzene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	106-46-7	1,4-Dichlorobenzene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	108-60-1	2,2'-oxybis(1-chloropropane)	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-95-4	2,4,5-Trichlorophenol	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	88-06-2	2,4,6-Trichlorophenol	350	350	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	120-83-2	2,4-Dichlorophenol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	105-67-9	2,4-Dimethylphenol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	51-28-5	2,4-Dinitrophenol	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	121-14-2	2,4-Dinitrotoluene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	606-20-2	2,6-Dinitrotoluene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	91-58-7	2-Chloronaphthalene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-57-8	2-Chlorophenol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	91-57-6	2-Methylnaphthalene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-48-7	2-Methylphenol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	88-74-4	2-Nitroaniline	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	88-75-5	2-Nitrophenol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	91-94-1	3,3'-Dichlorobenzidine	710	710	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	99-09-2	3-Nitroaniline	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	534-52-1	4,6-Dinitro-o-Cresol	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	101-55-3	4-Bromophenyl-phenyl Ether	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	106-47-8	4-Chloroaniline	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	7005-72-3	4-Chlorophenyl-phenylether	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	106-44-5	4-Methylphenol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	100-01-6	4-Nitroaniline	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	100-02-7	4-Nitrophenol	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	59-50-7	4-chloro-3-methylphenol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	83-32-9	Acenaphthene	350	350	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	208-96-8	Acenaphthylene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	120-12-7	Anthracene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	56-55-3	Benzo(a)anthracene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	50-32-8	Benzo(a)pyrene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	205-99-2	Benzo(b)fluoranthene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	191-24-2	Benzo(g,h,i)perylene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	207-08-9	Benzo(k)fluoranthene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	65-85-0	Benzoic Acid	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	100-51-6	Benzyl Alcohol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	111-91-1	Bis(2-chloroethoxy)methane	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	111-44-4	Bis(2-chloroethyl)ether	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	117-81-7	Bis(2-ethylhexyl)phthalate	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	85-68-7	Butyl Benzyl Phthalate	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	218-01-9	Chrysene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	84-74-2	Di-n-butyl Phthalate	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	117-84-0	Di-n-octyl Phthalate	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	53-70-3	Dibenz(a,h)anthracene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	132-64-9	Dibenzofuran	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	84-66-2	Diethyl Phthalate	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	131-11-3	Dimethyl Phthalate	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	206-44-0	Fluoranthene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	86-73-7	Fluorene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	118-74-1	Hexachlorobenzene	350	350	ug/kg	U		SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	87-68-3	Hexachlorobutadiene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	77-47-4	Hexachlorocyclopentadiene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	67-72-1	Hexachloroethane	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	193-39-5	Indeno(1,2,3-cd)pyrene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	78-59-1	Isophorone	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	621-64-7	N-Nitroso-di-n-propylamine	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	86-30-6	N-Nitrosodiphenylamine	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	91-20-3	Naphthalene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	98-95-3	Nitrobenzene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	87-86-5	Pentachlorophenol	1700	1700	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	85-01-8	Phenanthrene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	108-95-2	Phenol	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	129-00-0	Pyrene	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	110-86-1	Pyridine	350	350	ug/kg	U		SW846 8270
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	630-20-6	1,1,1,2-Tetrachloroethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	71-55-6	1,1,1-Trichloroethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	79-34-5	1,1,2,2-Tetrachloroethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	79-00-5	1,1,2-Trichloroethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-34-3	1,1-Dichloroethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-35-4	1,1-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	563-58-6	1,1-Dichloropropene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	87-61-6	1,2,3-Trichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	96-18-4	1,2,3-Trichloropropane	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	120-82-1	1,2,4-Trichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-63-6	1,2,4-trimethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	106-93-4	1,2-Dibromoethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-50-1	1,2-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	107-06-2	1,2-Dichloroethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	78-87-5	1,2-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	156-59-2	1,2-cis-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	96-12-8	1,2-dibromo-3-chloropropane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	156-60-5	1,2-trans-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	108-67-8	1,3,5-trimethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	541-73-1	1,3-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	142-28-9	1,3-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	106-46-7	1,4-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	594-20-7	2,2-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	78-93-3	2-Butanone	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-49-8	2-Chlorotoluene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	591-78-6	2-Hexanone	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	106-43-4	4-Chlorotoluene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	108-10-1	4-Methyl-2-pentanone	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	67-64-1	Acetone	32	5	ug/kg		U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	71-43-2	Benzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	108-86-1	Bromobenzene	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	74-97-5	Bromochloromethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-27-4	Bromodichloromethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-25-2	Bromoform	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	74-83-9	Bromomethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	56-23-5	Carbon Tetrachloride	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	108-90-7	Chlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-00-3	Chloroethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	67-66-3	Chloroform	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	74-87-3	Chloromethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	124-48-1	Dibromochloromethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	74-95-3	Dibromomethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-71-8	Dichlorodifluoromethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	100-41-4	Ethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	87-68-3	Hexachlorobutadiene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	98-82-8	Isopropyl Benzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-09-2	Methylene Chloride	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	91-20-3	Naphthalene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	100-42-5	Styrene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	127-18-4	Tetrachloroethene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	108-88-3	Toluene	11	5	ug/kg			SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	79-01-6	Trichloroethene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-69-4	Trichlorofluoromethane	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	75-01-4	Vinyl Chloride	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	13-302-07	m,p-Xylene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	104-51-8	n-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	103-65-1	n-propylbenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	95-47-6	o-Xylene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	99-87-6	p-Isopropyltoluene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	135-98-8	sec-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB104	08SB105	FH008-SB105/01-16-97/8.5-9.0	01/16/1997	8.5-9.0	98-06-6	tert-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7440-38-2	Arsenic	4.9	0.36	mg/kg			SW846 6010
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7440-39-3	Barium	25.6	0.09	mg/kg			SW846 6010
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7440-43-9	Cadmium	0.2	0.04	mg/kg	B		SW846 6010
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7440-47-3	Chromium	7.8	0.09	mg/kg			SW846 6010
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7439-92-1	Lead	4.6	0.15	mg/kg			SW846 6010
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7439-97-6	Mercury	0.04	0.04	mg/kg	U	U	SW846 7470
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7782-49-2	Selenium	1.1	1.1	mg/kg	UW	UJ	SW846 7740
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7440-22-4	Silver	0.21	0.21	mg/kg	U	U	SW846 6010
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-94-3	1,2,4,5-Tetrachlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	120-82-1	1,2,4-Trichlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-50-1	1,2-Dichlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	541-73-1	1,3-Dichlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	106-46-7	1,4-Dichlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	108-60-1	2,2'-oxybis(1-chloropropane)	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-95-4	2,4,5-Trichlorophenol	1700	1700	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	88-06-2	2,4,6-Trichlorophenol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	120-83-2	2,4-Dichlorophenol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	105-67-9	2,4-Dimethylphenol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	51-28-5	2,4-Dinitrophenol	1700	1700	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	121-14-2	2,4-Dinitrotoluene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	606-20-2	2,6-Dinitrotoluene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	91-58-7	2-Chloronaphthalene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-57-8	2-Chlorophenol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	91-57-6	2-Methylnaphthalene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-48-7	2-Methylphenol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	88-74-4	2-Nitroaniline	1700	1700	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	88-75-5	2-Nitrophenol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	91-94-1	3,3'-Dichlorobenzidine	720	720	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	99-09-2	3-Nitroaniline	1700	1700	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	534-52-1	4,6-Dinitro-o-Cresol	1700	1700	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	101-55-3	4-Bromophenyl-phenyl Ether	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	106-47-8	4-Chloroaniline	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	7005-72-3	4-Chlorophenyl-phenylether	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	106-44-5	4-Methylphenol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	100-01-6	4-Nitroaniline	1700	1700	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	100-02-7	4-Nitrophenol	1700	1700	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	59-50-7	4-chloro-3-methylphenol	360	360	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	83-32-9	Acenaphthene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	208-96-8	Acenaphthylene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	120-12-7	Anthracene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	56-55-3	Benzo(a)anthracene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	50-32-8	Benzo(a)pyrene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	205-99-2	Benzo(b)fluoranthene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	191-24-2	Benzo(g,h,i)perylene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	207-08-9	Benzo(k)fluoranthene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	65-85-0	Benzoic Acid	1700	1700	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	100-51-6	Benzyl Alcohol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	111-91-1	Bis(2-chloroethoxy)methane	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	111-44-4	Bis(2-chloroethyl)ether	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	117-81-7	Bis(2-ethylhexyl)phthalate	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	85-68-7	Butyl Benzyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	218-01-9	Chrysene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	84-74-2	Di-n-butyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	117-84-0	Di-n-octyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	53-70-3	Dibenz(a,h)anthracene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	132-64-9	Dibenzofuran	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	84-66-2	Diethyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	131-11-3	Dimethyl Phthalate	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	206-44-0	Fluoranthene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	86-73-7	Fluorene	360	360	ug/kg	U	U	SW846 8270

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	118-74-1	Hexachlorobenzene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	87-68-3	Hexachlorobutadiene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	77-47-4	Hexachlorocyclopentadiene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	67-72-1	Hexachloroethane	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	193-39-5	Indeno(1,2,3-cd)pyrene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	78-59-1	Isophorone	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	621-64-7	N-Nitroso-di-n-propylamine	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	86-30-6	N-Nitrosodiphenylamine	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	91-20-3	Naphthalene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	98-95-3	Nitrobenzene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	87-86-5	Pentachlorophenol	1700	1700	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	85-01-8	Phenanthrene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	108-95-2	Phenol	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	129-00-0	Pyrene	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	110-86-1	Pyridine	360	360	ug/kg	U	U	SW846 8270
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	630-20-6	1,1,1,2-Tetrachloroethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	71-55-6	1,1,1-Trichloroethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	79-34-5	1,1,2,2-Tetrachloroethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	79-00-5	1,1,2-Trichloroethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-34-3	1,1-Dichloroethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-35-4	1,1-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	563-58-6	1,1-Dichloropropene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	87-61-6	1,2,3-Trichlorobenzene	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	96-18-4	1,2,3-Trichloropropane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	120-82-1	1,2,4-Trichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-63-6	1,2,4-trimethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	106-93-4	1,2-Dibromoethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-50-1	1,2-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	107-06-2	1,2-Dichloroethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	78-87-5	1,2-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	156-59-2	1,2-cis-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	96-12-8	1,2-dibromo-3-chloropropane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	156-60-5	1,2-trans-Dichloroethene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	108-67-8	1,3,5-trimethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	541-73-1	1,3-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	142-28-9	1,3-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	106-46-7	1,4-Dichlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	594-20-7	2,2-Dichloropropane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	78-93-3	2-Butanone	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-49-8	2-Chlorotoluene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	591-78-6	2-Hexanone	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	106-43-4	4-Chlorotoluene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	108-10-1	4-Methyl-2-pentanone	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	67-64-1	Acetone	94	5	ug/kg			SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	71-43-2	Benzene	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	108-86-1	Bromobenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	74-97-5	Bromochloromethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-27-4	Bromodichloromethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-25-2	Bromoform	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	74-83-9	Bromomethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	56-23-5	Carbon Tetrachloride	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	108-90-7	Chlorobenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-00-3	Chloroethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	67-66-3	Chloroform	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	74-87-3	Chloromethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	124-48-1	Dibromochloromethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	74-95-3	Dibromomethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-71-8	Dichlorodifluoromethane	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	100-41-4	Ethylbenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	87-68-3	Hexachlorobutadiene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	98-82-8	Isopropyl Benzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-09-2	Methylene Chloride	21	5	ug/kg		U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	91-20-3	Naphthalene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	100-42-5	Styrene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	127-18-4	Tetrachloroethene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	108-88-3	Toluene	22	5	ug/kg			SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	79-01-6	Trichloroethene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-69-4	Trichlorofluoromethane	5	5	ug/kg	U	U	SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	75-01-4	Vinyl Chloride	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	13-302-07	m,p-Xylene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	104-51-8	n-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	103-65-1	n-propylbenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	95-47-6	o-Xylene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	99-87-6	p-Isopropyltoluene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	135-98-8	sec-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
SB105	08SB103	FH008-SB103/01-11-97/0.5-1.0	01/11/1997	0.5-1.0	98-06-6	tert-Butylbenzene	5	5	ug/kg	U	U	SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		630-20-6	1,1,1,2-Tetrachloroethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		71-55-6	1,1,1-Trichloroethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		79-34-5	1,1,2,2-Tetrachloroethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		79-00-5	1,1,2-Trichloroethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		75-34-3	1,1-Dichloroethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		75-35-4	1,1-Dichloroethene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		563-58-6	1,1-Dichloropropene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		87-61-6	1,2,3-Trichlorobenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		96-18-4	1,2,3-Trichloropropane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		120-82-1	1,2,4-Trichlorobenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		95-63-6	1,2,4-trimethylbenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		106-93-4	1,2-Dibromoethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		95-50-1	1,2-Dichlorobenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		107-06-2	1,2-Dichloroethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		78-87-5	1,2-Dichloropropane	5	5	ug/l	U		SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
	TB034	FH008-TB034/011697	01/16/1997		156-59-2	1,2-cis-Dichloroethene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		96-12-8	1,2-dibromo-3-chloropropane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		156-60-5	1,2-trans-Dichloroethene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		108-67-8	1,3,5-trimethylbenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		541-73-1	1,3-Dichlorobenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		142-28-9	1,3-Dichloropropane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		106-46-7	1,4-Dichlorobenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		594-20-7	2,2-Dichloropropane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		78-93-3	2-Butanone	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		95-49-8	2-Chlorotoluene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		591-78-6	2-Hexanone	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		106-43-4	4-Chlorotoluene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		108-10-1	4-Methyl-2-pentanone	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		67-64-1	Acetone	10	5	ug/l			SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		71-43-2	Benzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		108-86-1	Bromobenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		74-97-5	Bromochloromethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		75-27-4	Bromodichloromethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		75-25-2	Bromoform	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		74-83-9	Bromomethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		56-23-5	Carbon Tetrachloride	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		108-90-7	Chlorobenzene	5	5	ug/l	U		SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
	TB034	FH008-TB034/011697	01/16/1997		75-00-3	Chloroethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		67-66-3	Chloroform	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		74-87-3	Chloromethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		124-48-1	Dibromochloromethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		74-95-3	Dibromomethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		75-71-8	Dichlorodifluoromethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		100-41-4	Ethylbenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		87-68-3	Hexachlorobutadiene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		98-82-8	Isopropyl Benzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		75-09-2	Methylene Chloride	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		91-20-3	Naphthalene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		100-42-5	Styrene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		127-18-4	Tetrachloroethene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		108-88-3	Toluene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		79-01-6	Trichloroethene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		75-69-4	Trichlorofluoromethane	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		75-01-4	Vinyl Chloride	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		13-302-07	m,p-Xylene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		104-51-8	n-Butylbenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		103-65-1	n-propylbenzene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		95-47-6	o-Xylene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		99-87-6	p-Isopropyltoluene	5	5	ug/l	U		SW846 8260
	TB034	FH008-TB034/011697	01/16/1997		135-98-8	sec-Butylbenzene	5	5	ug/l	U		SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
	TB034	FH008-TB034/011697	01/16/1997		98-06-6	tert-Butylbenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		630-20-6	1,1,1,2-Tetrachloroethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		71-55-6	1,1,1-Trichloroethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		79-34-5	1,1,2,2-Tetrachloroethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		79-00-5	1,1,2-Trichloroethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-34-3	1,1-Dichloroethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-35-4	1,1-Dichloroethene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		563-58-6	1,1-Dichloropropene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		87-61-6	1,2,3-Trichlorobenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		96-18-4	1,2,3-Trichloropropane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		120-82-1	1,2,4-Trichlorobenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		95-63-6	1,2,4-trimethylbenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		106-93-4	1,2-Dibromoethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		95-50-1	1,2-Dichlorobenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		107-06-2	1,2-Dichloroethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		78-87-5	1,2-Dichloropropane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		156-59-2	1,2-cis-Dichloroethene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		96-12-8	1,2-dibromo-3-chloropropane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		156-60-5	1,2-trans-Dichloroethene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		108-67-8	1,3,5-trimethylbenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		541-73-1	1,3-Dichlorobenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		142-28-9	1,3-Dichloropropane	5	5	ug/l	U		SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
	TB064	FH008-TB064/02-14-97	02/14/1997		106-46-7	1,4-Dichlorobenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		594-20-7	2,2-Dichloropropane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		78-93-3	2-Butanone	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		95-49-8	2-Chlorotoluene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		591-78-6	2-Hexanone	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		106-43-4	4-Chlorotoluene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		108-10-1	4-Methyl-2-pentanone	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		67-64-1	Acetone	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		71-43-2	Benzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		108-86-1	Bromobenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		74-97-5	Bromochloromethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-27-4	Bromodichloromethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-25-2	Bromoform	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		74-83-9	Bromomethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		56-23-5	Carbon Tetrachloride	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		108-90-7	Chlorobenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-00-3	Chloroethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		67-66-3	Chloroform	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		74-87-3	Chloromethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		124-48-1	Dibromochloromethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		74-95-3	Dibromomethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-71-8	Dichlorodifluoromethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		100-41-4	Ethylbenzene	5	5	ug/l	U		SW846 8260

Location	Sample ID	COE Sample ID	Date Collected	Depth	CAS Number	Parameter	Result	Detection Limit	Units of Measure	Lab * Qual	Data** Qual	Method
	TB064	FH008-TB064/02-14-97	02/14/1997		87-68-3	Hexachlorobutadiene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		98-82-8	Isopropyl Benzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-09-2	Methylene Chloride	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		91-20-3	Naphthalene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		100-42-5	Styrene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		127-18-4	Tetrachloroethene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		108-88-3	Toluene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		79-01-6	Trichloroethene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-69-4	Trichlorofluoromethane	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		75-01-4	Vinyl Chloride	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		13-302-07	m,p-Xylene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		104-51-8	n-Butylbenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		103-65-1	n-propylbenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		95-47-6	o-Xylene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		99-87-6	p-Isopropyltoluene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		135-98-8	sec-Butylbenzene	5	5	ug/l	U		SW846 8260
	TB064	FH008-TB064/02-14-97	02/14/1997		98-06-6	tert-Butylbenzene	5	5	ug/l	U		SW846 8260

**APPENDIX C**

**Fort Hood RFI Background Soils Data**

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB101 Background Soil Boring SB101

Sample ID: FH000-SB10112-10-96/2.0-2.5 (BKSB101)

Sample Depth: 2.0-2.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3	0.41	MG/KG		
Barium	21.3	0.10	MG/KG	*	J
Cadmium	0.12	0.05	MG/KG	B	
Chromium	5.1	0.10	MG/KG	E*	J
Lead	6	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.37	0.37	MG/KG	U	U
Silver	0.24	0.24	MG/KG	U	U

Sample ID: FH000-SB10212-10-96/4.0-4.7 (BKSB102)

Sample Depth: 4.0-4.7 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2	0.39	MG/KG		
Barium	8	0.10	MG/KG	*	J
Cadmium	0.05	0.05	MG/KG	B	
Chromium	10.3	0.10	MG/KG	E*	J
Lead	5	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.36	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Sample ID: FH000-SB10312-10-96/10.5-11.0 (BKSB103)

Sample Depth: 10.5-11.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	9.1	0.42	MG/KG		
Barium	14.7	0.10	MG/KG	*	J
Cadmium	0.05	0.05	MG/KG	U	U
Chromium	10.1	0.10	MG/KG	E*	J
Lead	9.5	0.18	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.38	0.38	MG/KG	U	U
Silver	0.24	0.24	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB102 Background Soil Boring SB102

Sample ID: FH000-SB12112-12-96/0.0-1.5 (BKSB121)

Sample Depth: 0.0-1.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.1	0.38	MG/KG		
Barium	24	0.09	MG/KG		
Cadmium	0.18	0.05	MG/KG	B	
Chromium	6.3	0.09	MG/KG		
Lead	10.2	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB12212-12-96/14.0-14.5 (BKSB122)

Sample Depth: 14.0-14.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.2	0.36	MG/KG		
Barium	6.1	0.09	MG/KG		
Cadmium	0.06	0.04	MG/KG	B	
Chromium	4.9	0.09	MG/KG		
Lead	4.1	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB12312-12-96/19.0-19.5 (BKSB123)

Sample Depth: 19.0-19.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.8	0.36	MG/KG		
Barium	5.5	0.09	MG/KG		
Cadmium	0.08	0.04	MG/KG	B	
Chromium	4.3	0.09	MG/KG		
Lead	3.8	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB20212-12-96/0.0-1.5 (BKSB202)

Sample Depth: 0.0-1.5 FT

Matrix: Soil

Field Sample Type: Field Duplicate

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.2	0.37	MG/KG		
Barium	18.2	0.09	MG/KG		
Cadmium	0.12	0.04	MG/KG	B	
Chromium	5.9	0.09	MG/KG		
Lead	4.5	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB103 Background Soil Boring SB103

Sample ID: FH000-SB10412-10-96/0.0-1.5 (BKSB104)

Sample Depth: 0.0-1.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	6.2	0.35	MG/KG		
Barium	28.2	0.08	MG/KG	*	J
Cadmium	0.15	0.04	MG/KG	B	
Chromium	3.1	0.08	MG/KG	E*	J
Lead	5.3	0.15	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

Sample ID: FH000-SB10512-10-96/4.0-6.0 (BKSB105)

Sample Depth: 4.0-6.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.3	0.36	MG/KG		
Barium	23.4	0.09	MG/KG	*	J
Cadmium	0.11	0.04	MG/KG	B	
Chromium	4	0.09	MG/KG	E*	J
Lead	3.9	0.15	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB10612-10-96/9.0-9.4 (BKSB106)

Sample Depth: 9.0-9.4 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.4	0.37	MG/KG		
Barium	43.7	0.09	MG/KG	*	J
Cadmium	0.16	0.04	MG/KG	B	
Chromium	7.6	0.09	MG/KG	E*	J
Lead	5	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB10712-10-96/14.0-15.0 (BKSB107)

Sample Depth: 14.0-15.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/10/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	53	0.39	MG/KG		
Barium	1350	0.09	MG/KG	*	J
Cadmium	0.35	0.05	MG/KG	B	
Chromium	5.1	0.09	MG/KG	E*	J
Lead	6.1	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.36	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB104 Background Soil Boring SB104

Sample ID: FH000-SB10812-11-96/0.0-1.0 (BKSB108)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	6	0.40	MG/KG		
Barium	72.4	0.10	MG/KG	*	J
Cadmium	0.2	0.05	MG/KG	B	
Chromium	12.9	0.10	MG/KG	E*	J
Lead	9.8	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.37	0.37	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Sample ID: FH000-SB10912-11-96/4.0-5.0 (BKSB109)

Sample Depth: 4.0-5.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.5	0.38	MG/KG		
Barium	155	0.09	MG/KG	*	J
Cadmium	0.07	0.05	MG/KG	B	
Chromium	6.5	0.09	MG/KG	E*	J
Lead	3.2	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB11012-11-96/11.0-11.5 (BKSB110)

Sample Depth: 11.0-11.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.8	0.40	MG/KG		
Barium	24.1	0.10	MG/KG	*	J
Cadmium	0.06	0.05	MG/KG	B	
Chromium	16.6	0.10	MG/KG	E*	J
Lead	7.8	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.36	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Sample ID: FH000-SB11112-11-96/18.0-18.5 (BKSB111)

Sample Depth: 18.0-18.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.2	0.38	MG/KG		
Barium	7.2	0.09	MG/KG	*	J
Cadmium	0.05	0.05	MG/KG	B	
Chromium	6.2	0.09	MG/KG	E*	J
Lead	5.3	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB105 Background Soil Boring SB105

Sample ID: FH000-SB11212-11-96/1.0-1.5 (BKSB112)

Sample Depth: 1.0-1.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	1.6	0.35	MG/KG		
Barium	6.6	0.09	MG/KG	*	J
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	4	0.09	MG/KG	E*	J
Lead	1.5	0.15	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

Sample ID: FH000-SB11312-11-96/4.0-5.0 (BKSB113)

Sample Depth: 4.0-5.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.7	0.40	MG/KG		
Barium	20.5	0.10	MG/KG	*	J
Cadmium	0.07	0.05	MG/KG	B	
Chromium	8.9	0.10	MG/KG	E*	J
Lead	6	0.17	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.36	MG/KG	U	U
Silver	0.23	0.23	MG/KG	U	U

Sample ID: FH000-SB11412-11-96/11.0-12.0 (BKSB114)

Sample Depth: 11.0-12.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.2	0.42	MG/KG		
Barium	25.2	0.10	MG/KG	*	J
Cadmium	0.05	0.05	MG/KG	U	U
Chromium	20.3	0.10	MG/KG	E*	J
Lead	7.7	0.18	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.38	0.38	MG/KG	U	U
Silver	0.24	0.24	MG/KG	U	U

Sample ID: FH000-SB11512-11-96/15.0-15.5 (BKSB115)

Sample Depth: 15.0-15.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.3	0.36	MG/KG		
Barium	10.6	0.09	MG/KG	*	J
Cadmium	0.06	0.04	MG/KG	B	
Chromium	7.3	0.09	MG/KG	E*	J
Lead	5.1	0.15	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Sample ID: FH000-SB11612-11-96/22.0-22.5 (BKSB116)

Sample Depth: 22.0-22.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/11/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	11.6	0.37	MG/KG		
Barium	4.9	0.09	MG/KG	*	J
Cadmium	0.2	0.04	MG/KG	B	
Chromium	2.7	0.09	MG/KG	E*	J
Lead	5.6	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB106 Background Soil Boring SB106

Sample ID: FH000-SB11712-12-96/0.0-1.0 (BKSB117)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.4	0.37	MG/KG		
Barium	27.9	0.09	MG/KG	*	J
Cadmium	0.18	0.04	MG/KG	B	
Chromium	5.7	0.09	MG/KG	E*	J
Lead	8.3	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB11812-12-96/9.0-9.5 (BKSB118)

Sample Depth: 9.0-9.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.6	0.37	MG/KG		
Barium	4.4	0.09	MG/KG	*	J
Cadmium	0.19	0.04	MG/KG	B	
Chromium	2.2	0.09	MG/KG	E*	J
Lead	3.7	0.16	MG/KG	EN*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB11912-12-96/14.0-14.5 (BKSB119)

Sample Depth: 14.0-14.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	0.66	0.37	MG/KG	B	
Barium	3	0.09	MG/KG		
Cadmium	0.06	0.04	MG/KG	B	
Chromium	2.1	0.09	MG/KG		
Lead	1.3	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB12012-12-96/19.0-20.0 (BKSB120)

Sample Depth: 19.0-20.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	0.44	0.35	MG/KG	B	
Barium	2	0.08	MG/KG		
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	0.93	0.08	MG/KG	B	
Lead	0.72	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

# Ft. Hood RCRA Facility Investigation

## FH-BKG Fort Hood Background

### Analytical Results

Sample ID: FH000-SB20112-12-96/0.0-1.0

(BKSB201)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Field Duplicate

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.4	0.36	MG/KG		
Barium	17.9	0.09	MG/KG		
Cadmium	0.14	0.04	MG/KG	B	
Chromium	2.6	0.09	MG/KG		
Lead	5.9	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB107 Background Soil Boring SB107

Sample ID: FH000-SB12412-12-96/0.0-1.0 (BKSB124)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	6	0.37	MG/KG		
Barium	19.3	0.09	MG/KG		
Cadmium	0.11	0.04	MG/KG	B	
Chromium	7.2	0.09	MG/KG		
Lead	4.5	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB12512-12-96/4.0-4.5 (BKSB125)

Sample Depth: 4.0-4.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.2	0.35	MG/KG		
Barium	18.1	0.09	MG/KG		
Cadmium	0.11	0.04	MG/KG	B	
Chromium	5.1	0.09	MG/KG		
Lead	1.7	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.36	0.32	MG/KG	B	
Silver	0.2	0.20	MG/KG	U	U

Sample ID: FH000-SB12612-12-96/5.5-6.0 (BKSB126)

Sample Depth: 5.5-6.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.5	0.36	MG/KG		
Barium	5.4	0.09	MG/KG		
Cadmium	0.06	0.04	MG/KG	B	
Chromium	5.5	0.09	MG/KG		
Lead	1.5	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.44	0.33	MG/KG	B	
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB20312-12-96/0.0-1.0 (BKSB203)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Field Duplicate

Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.9	0.37	MG/KG		
Barium	39	0.09	MG/KG		
Cadmium	0.17	0.05	MG/KG	B	
Chromium	9.3	0.09	MG/KG		
Lead	6.6	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB108 Background Soil Boring SB108

Sample ID: FH000-SB135/01-14-97/0.0-1.0 (BKSB135)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.7	0.36	MG/KG		
Barium	15.4	0.09	MG/KG	*	J
Cadmium	0.17	0.04	MG/KG	B*	J
Chromium	6.1	0.09	MG/KG		
Lead	2.5	0.15	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	1.5	1.5	MG/KG	UWN	R
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB136/01-14-97/5.0-5.5 (BKSB136)

Sample Depth: 5.0-5.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.3	0.38	MG/KG		
Barium	14.8	0.09	MG/KG	*	J
Cadmium	0.2	0.05	MG/KG	B*	J
Chromium	8.3	0.09	MG/KG		
Lead	3	0.16	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	UWN	R
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB137/01-14-97/9.0-9.5 (BKSB137)

Sample Depth: 9.0-9.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	8.2	0.36	MG/KG		
Barium	7.8	0.09	MG/KG	*	J
Cadmium	0.18	0.04	MG/KG	B*	J
Chromium	8.1	0.09	MG/KG		
Lead	2.3	0.15	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.31	0.31	MG/KG	UWN	R
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB138/01-14-97/14.0-14.5 (BKSB138)

Sample Depth: 14.0-14.5 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	9.2	0.38	MG/KG		
Barium	12.2	0.09	MG/KG	*	J
Cadmium	0.21	0.05	MG/KG	B*	J
Chromium	11.1	0.09	MG/KG		
Lead	4.1	0.16	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	UWN	R
Silver	0.22	0.22	MG/KG	U	U

# Ft. Hood RCRA Facility Investigation

## FH-BKG Fort Hood Background

### Analytical Results

Sample ID: FH000-SB139/01-14-97/16.5-17.0 (BKSB139)

Sample Depth: 16.5-17.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/14/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	7.6	0.37	MG/KG		
Barium	7.3	0.09	MG/KG	*	J
Cadmium	0.2	0.04	MG/KG	B*	J
Chromium	8.4	0.09	MG/KG		
Lead	3.6	0.16	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.31	0.31	MG/KG	UWN	R
Silver	0.21	0.21	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB109 Background Soil Boring SB109

Sample ID: FH000-SB140/01-15-97/0.0-1.0 (BKSB140)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.8	0.41	MG/KG		
Barium	108	0.10	MG/KG	*	J
Cadmium	0.79	0.05	MG/KG	*	J
Chromium	16.1	0.10	MG/KG		
Lead	33.2	0.17	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	UWN	R
Silver	0.24	0.24	MG/KG	U	U

Sample ID: FH000-SB141/01-15-97/4.0-5.0 (BKSB141)

Sample Depth: 4.0-5.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.6	0.43	MG/KG		
Barium	127	0.10	MG/KG	*	J
Cadmium	0.45	0.05	MG/KG	B*	J
Chromium	23.6	0.10	MG/KG		
Lead	12.1	0.18	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	1.8	1.8	MG/KG	UN	R
Silver	0.25	0.25	MG/KG	U	U

Sample ID: FH000-SB142/01-15-97/9.0-10.0 (BKSB142)

Sample Depth: 9.0-10.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.8	0.44	MG/KG		
Barium	63	0.11	MG/KG	*	J
Cadmium	0.29	0.05	MG/KG	B*	J
Chromium	8.4	0.11	MG/KG		
Lead	5	0.19	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	1.9	1.9	MG/KG	UWN	R
Silver	0.25	0.25	MG/KG	U	U

Sample ID: FH000-SB143/01-15-97/14.5-15.0 (BKSB143)

Sample Depth: 14.5-15.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.8	0.41	MG/KG		
Barium	39.3	0.10	MG/KG	*	J
Cadmium	0.27	0.05	MG/KG	B*	J
Chromium	12.2	0.10	MG/KG		
Lead	6.6	0.17	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	UWN	R
Silver	0.24	0.24	MG/KG	U	U

# Ft. Hood RCRA Facility Investigation

## FH-BKG Fort Hood Background

### Analytical Results

Sample ID: FH000-SB144/01-15-97/19.0-19.3 (BKSB144)

Sample Depth: 19.0-19.3 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 01/15/97

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.7	0.37	MG/KG		
Barium	36.1	0.09	MG/KG	*	J
Cadmium	0.2	0.04	MG/KG	B*	J
Chromium	6.5	0.09	MG/KG		
Lead	4	0.16	MG/KG	*	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.31	0.31	MG/KG	UWN	R
Silver	0.21	0.21	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Station: SB110 Background Soil Boring SB110

Sample ID: FH000-SB12712-13-96/0.0-1.0 (BKSB127)

Sample Depth: 0.0-1.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	1.9	0.36	MG/KG		
Barium	18.8	0.09	MG/KG		
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	3.7	0.09	MG/KG		
Lead	3.8	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB12812-13-96/4.0-6.0 (BKSB128)

Sample Depth: 4.0-6.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.6	0.38	MG/KG		
Barium	36.3	0.09	MG/KG		
Cadmium	0.05	0.05	MG/KG	U	U
Chromium	8.5	0.09	MG/KG		
Lead	7.5	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG		
Selenium	0.35	0.35	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB12912-13-96/10.0-11.0 (BKSB129)

Sample Depth: 10.0-11.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.6	0.36	MG/KG		
Barium	26.3	0.09	MG/KG		
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	4.6	0.09	MG/KG		
Lead	4.1	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB13012-13-96/15.0-16.0 (BKSB130)

Sample Depth: 15.0-16.0 FT

Matrix: Soil

Field Sample Type: Grab

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	1	0.35	MG/KG	B	
Barium	8.1	0.08	MG/KG		
Cadmium	0.07	0.04	MG/KG	B	
Chromium	1.8	0.08	MG/KG		
Lead	3.1	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.32	0.32	MG/KG	U	U
Silver	0.2	0.20	MG/KG	U	U

**Ft. Hood RCRA Facility Investigation**  
**FH-BKG Fort Hood Background**  
**Analytical Results**

Sample ID: FH000-SB13112-13-96/20.0-21.0 (BKSB131)      Sample Depth: 20.0-21.0 FT  
 Matrix: Soil      Field Sample Type: Grab      Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	5.3	0.38	MG/KG		
Barium	65.9	0.09	MG/KG		
Cadmium	0.15	0.05	MG/KG	B	
Chromium	7.7	0.09	MG/KG		
Lead	10.1	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB13212-13-96/25.0-26.0 (BKSB132)      Sample Depth: 25.0-26.0 FT  
 Matrix: Soil      Field Sample Type: Grab      Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	4.2	0.37	MG/KG		
Barium	41.7	0.09	MG/KG		
Cadmium	0.04	0.04	MG/KG	U	U
Chromium	5.9	0.09	MG/KG		
Lead	7.8	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.34	0.34	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

Sample ID: FH000-SB13312-13-96/30.0-31.0 (BKSB133)      Sample Depth: 30.0-31.0 FT  
 Matrix: Soil      Field Sample Type: Grab      Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.2	0.39	MG/KG		
Barium	68.6	0.09	MG/KG		
Cadmium	0.11	0.05	MG/KG	B	
Chromium	4.9	0.09	MG/KG		
Lead	6.3	0.17	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

Sample ID: FH000-SB13412-13-96/34.0-34.5 (BKSB134)      Sample Depth: 34.0-34.5 FT  
 Matrix: Soil      Field Sample Type: Grab      Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	2.9	0.36	MG/KG		
Barium	20.1	0.09	MG/KG		
Cadmium	0.08	0.04	MG/KG	B	
Chromium	1.2	0.09	MG/KG		
Lead	2.3	0.15	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.33	0.33	MG/KG	U	U
Silver	0.21	0.21	MG/KG	U	U

# Ft. Hood RCRA Facility Investigation

## FH-BKG Fort Hood Background

### Analytical Results

Sample ID: FH000-SB20412-13-96/4.0-6.0

(BKSB204)

Sample Depth: 4.0-6.0 FT

Matrix: Soil

Field Sample Type: Field Duplicate

Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers	
				Lab	Data
Arsenic	3.2	0.38	MG/KG		
Barium	31.9	0.09	MG/KG		
Cadmium	0.05	0.05	MG/KG	U	U
Chromium	6.5	0.09	MG/KG		
Lead	7.1	0.16	MG/KG	EN	J
Mercury	0.04	0.04	MG/KG	U	U
Selenium	0.35	0.35	MG/KG	U	U
Silver	0.22	0.22	MG/KG	U	U

**APPENDIX D**

**Fort Hood RFI Background Soil Boring Logs**

<b>HTRW DRILLING LOG</b>		DIVISION FORT WORTH DIST.	INSTALLATION FORT HOOD	SHEET 1	SHEETS OF 2
1. PROJECT FORT HOOD RFI		10. SIZE AND TYPE OF BIT 4 1/4" HSA			
2. LOCATION/STATION FHBKG		11. DATUM FOR ELEVATION SHOWN NA			
3. DRILLING AGENCY TERRA MAR		12. MANUFACTURER'S DESIGNATION OF DRILL MOBILE B-50			
4. HOLE NUMBER FHBKG-SB102		13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN NA	DISTURBED	UNDISTURBED	
5. NAME OF DRILLER BILL CHRISTOPHER		14. TOTAL NUMBER OF CORE BOXES NA			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		15. GROUNDWATER ELEVATION NA			
7. THICKNESS OF OVERBURDEN NA		18. DATE HOLE	STARTED 12-12-96	COMPLETED 12-12-96	
8. DEPTH DRILLED INTO ROCK		17. ELEVATION TOP OF HOLE NA			
9. TOTAL DEPTH OF HOLE		18. TOTAL CORE RECOVERY FOR HOLE NA		_____ PERCENT	

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	1.5		(Upper 0.4 topsoil) Silty clay, mottled 10YR5/3 brown and 10YR8/2 v. pale brown, not plastic, firm, dry, weathered limestone fragments			BKSB121
	2.0		same, dry			cuttings
	3.5		tan, weathered limestone and silty clay interbeds, dry			cuttings
	6.0		Zones of limestone and highly indurated silty clay (weathered limestone!) very hard, shell fragments, roots, 2.5Y8/2 pale yellow, dry			
	8.0		same, dry			cuttings
	9.0		same, dry			

SIGNATURE OF INSPECTOR/DATE <i>[Signature]</i> 12-12-96	PROJECT FORT HOOD RFI	HOLE NO. FHBKG-SB102
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# HTRW DRILLING LOG (continued)

PROJECT: \_\_\_\_\_ INSPECTOR: *J. DeVaughn SAIC* HOLE NUMBER: **FHBKG-SB102**  
 SHEET: **2** OF **2** SHEETS

ELEVATION <small>a)</small>	DEPTH <small>b)</small>	LEGEND <small>c)</small>	CLASSIFICATION OF MATERIALS <small>d)</small>	% CORE / RECOVERY <small>e)</small>	BOX OR SAMPLE NO. <small>f)</small>	REMARKS <small>g)</small>
	12.0		same, dry			cuttings
	14.0					
	14.5		same, dry			BKSB122
			same, dry			
	16.0					
	17.0		Blue-gray weathered limestone, dry			Geotechnical Sample
			same, dry			
	18.0					cuttings
	19.0					
	19.5		same, dry			BKSB123
	20.0		TD			

SIGNATURE OF INSPECTOR: *J. DeVaughn* DATE: **12-12-96** PROJECT: \_\_\_\_\_ HOLE NO.: **FHBKG-SB102**  
 SAIC 1996 after ENG FORM 1836

<b>HTRW DRILLING LOG</b>		DIVISION Ft. Worth Dist.	INSTALLATION Fort Hood	SHEET 1	SHEETS OF 2
1. PROJECT Fort Hood RFI		10. SIZE AND TYPE OF BIT 4 1/4" HSA			
2. LOCATION/STATION FH BKG		11. DATUM FOR ELEVATION SHOWN NA			
3. DRILLING AGENCY TERRA MAR		12. MANUFACTURER'S DESIGNATION OF DRILL MOBILE B-50			
4. HOLE NUMBER FH BKG-SB103		13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN NA	DISTURBED	UNDISTURBED	
5. NAME OF DRILLER BILL CHRISTOPHER		14. TOTAL NUMBER OF CORE BOXES NA			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		15. GROUNDWATER ELEVATION NA			
7. THICKNESS OF OVERBURDEN NA		16. DATE - HOLE		STARTED 12-10-96	COMPLETED 12-10-96
8. DEPTH DRILLED INTO ROCK		17. ELEVATION TOP OF HOLE NA			
9. TOTAL DEPTH OF HOLE		18. TOTAL CORE RECOVERY FOR HOLE NA		_____ PERCENT	

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	0.5		(Topsoil upper 0.2) weathered tan limestone			BKSB104
	2.0		Interbedded silty and pebbly clay, thin layers of 1/4" R/B/4 vy. pale brown and 1/4" R/3/2 vy. dk. grayish brown, 4% coarse sand to pebble sized angular to subrounded rock fragments, dry, mod. plastic			
	2.5		same, dry, no pebbles			cuttings
	4.0		same, weathered tan limestone fragments, dry			BKSB105
	4.5		same, dry, interbeds of limestone			
	6.0		same, dry			
	8.0					
	9.0					
	9.5		same, dry			BKSB106
			same, dry			

SIGNATURE OF INSPECTOR/DATE J. G. [Signature] 12-10-96	PROJECT FH BKG-SB103	HOLE NO. FH BKG-SB103
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# HTRW DRILLING LOG (continued)

PROJECT: \_\_\_\_\_ INSPECTOR: J. DeVaux, SAIC HOLE NUMBER: FHCKG-SB103  
 SHEET: 2 OF 2 SHEETS

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	10.5		same, dry			cuttings
	12.0		same except more medium to coarse sand, soft, not plastic, dry			
	14.0		same, dry			cuttings
	15.0		Silty clay, mottled 10YR 8/2 vy. pale brown and 10YR 6/4 H. yellowish brown, weathered limestone fragments, mod. plastic, damp, firm			BKSB107
	16.0		Blue-gray weathered limestone fragments			cuttings
	17.0		TD			
	18.0					
	20.0					

SIGNATURE OF INSPECTOR/DATE: J. DeVaux/12-10-96 PROJECT: \_\_\_\_\_ HOLE NO.: FHCKG-SB103

<b>HTRW DRILLING LOG</b>		DIVISION Fort Worth Dist.	INSTALLATION Fort Hood	SHEET 1	SHEETS OF 3
1. PROJECT Fort Hood RFI		10. SIZE AND TYPE OF BIT 4 1/4" HSA			
2. LOCATION/STATION FH3KG		11. DATUM FOR ELEVATION SHOWN NA			
3. DRILLING AGENCY TERRA MAR		12. MANUFACTURER'S DESIGNATION OF DRILL MOBILE B-50			
4. HOLE NUMBER FH3KG-SB104		13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN NA	DISTURBED	UNDISTURBED	
5. NAME OF DRILLER Bill Christopher		14. TOTAL NUMBER OF CORE BOXES NA			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		15. GROUNDWATER ELEVATION NA			
7. THICKNESS OF OVERBURDEN NA		16. DATE HOLE	STARTED 12-11-96	COMPLETED 12-11-96	
8. DEPTH DRILLED INTO ROCK		17. ELEVATION TOP OF HOLE NA			
9. TOTAL DEPTH OF HOLE 24.0'		18. TOTAL CORE RECOVERY FOR HOLE NA		_____ PERCENT	

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	1.0'		Topsoil			BKSB10B
	2.0'		Silty clay, 2.547/6 yellow, damp, low plasticity, trace organics, soft, weathered limestone fragments			
	4.0'		same			cuttings
	5.0'		same with 10427/8 yellow mottled, no organics, dry			BKSB109
	6.0'		same, slightly more silty, brittle, hard, dry			cuttings
	9.0'		tan, weathered limestone			hard drilling/ cuttings

SIGNATURE OF INSPECTOR/DATE <i>J. D. [Signature]</i> 12-11-96	PROJECT	HOLE NO. FH3KG-SR104
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# HTRW DRILLING LOG (continued)

PROJECT						HOLE NUMBER	
						FH3K6-SB104	
						SHEET SHEETS	
						2 OF 3	
ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)	
			weathered limestone as above			cuttings	
	11.0						
	11.5		silty clay as above, dry			BKSB110	
	12.0		same, dry			cuttings	
			same, dry			Geotechnical Sample	
	13.0						
	14.0		silty clay and weathered limestone interbeds			cuttings	
	16.0						
	18.0						
	18.5		silty clay as above, dry			BKSB111	
	20.0		silty clay and weathered limestone interbeds			cuttings	

SIGNATURE OF INSPECTOR/DATE <i>J. DeVaughn</i> 12-11-96	PROJECT	HOLE NO. FH3K6-SB104
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# HTRW DRILLING LOG (continued)

PROJECT						INSPECTOR <i>E. DeVaughn SAIC</i>	HOLE NUMBER <b>FHBKG-SB104</b>
						SHEET <b>3</b>	SHEETS <b>3</b>
ELEVATION <small>(a)</small>	DEPTH <small>(b)</small>	LEGEND <small>(c)</small>	CLASSIFICATION OF MATERIALS <small>(d)</small>	% CORE RECOVERY <small>(e)</small>	BOX OR SAMPLE NO. <small>(f)</small>	REMARKS <small>(g)</small>	
	24.0		same, dry				
	26.0		TD Blue-gray weathered limestone fragments, dry				
	28.0						
	30.0						
	32.0						
SIGNATURE OF INSPECTOR/DATE <i>E. DeVaughn 17-11-96</i>				PROJECT		HOLE NO. <b>FHBKG-SB104</b>	

HTRW DRILLING LOG		DIVISION Fort Worth Dist.	INSTALLATION Fort Hood	SHEET 1	SHEETS OF 3
1. PROJECT Fort Hood RFI		10. SIZE AND TYPE OF BIT 4 1/4" HSA			
2. LOCATION/STATION FHBKG		11. DATUM FOR ELEVATION SHOWN NA			
3. DRILLING AGENCY TERRA MAR		12. MANUFACTURER'S DESIGNATION OF DRILL MOBILE B-50			
4. HOLE NUMBER FHBKG-SB105		13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN NA	DISTURBED	UNOBTAINED	
5. NAME OF DRILLER BILL CHRISTOPHER		14. TOTAL NUMBER OF CORE BOXES NA			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		15. GROUNDWATER ELEVATION NA			
7. THICKNESS OF OVERBURDEN NA		16. DATE HOLE	STARTED 12-11-96	COMPLETED 12-11-96	
8. DEPTH DRILLED INTO ROCK		17. ELEVATION TOP OF HOLE NA			
9. TOTAL DEPTH OF HOLE 24.6'		18. TOTAL CORE RECOVERY FOR HOLE NA		PERCENT	

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	0.0		Gravel (graded area)			cuttings
	1.0					
	1.5		Silty clay, 2.5Y6/4 H. yellowish brown, firm, not plastic, dry, weathered limestone fragments			BKSB112
	2.0		same, dry			cuttings
	3.0					
	4.0					
	5.0		Fat mottled clay, 2.5Y6/4 H. yellowish brown and 10YR6/6 brownish yellow, highly plastic, dry, firm			BKSB113
	6.0					
	7.0		same as above except now silty clay, limestone interbeds, dry			cuttings
	8.0					

SIGNATURE OF INSPECTOR/DATE A. K. [Signature] 12-11-96	PROJECT Fort Hood RFI	HOLE NO. FHBKG-SB105
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# HTRW DRILLING LOG (continued)

PROJECT					INSPECTOR		HOLE NUMBER	
					J. DeVaughn, SAIC		FH3K6-SB105	
					SHEET		OF SHEETS	
							OF	
ELEVATION <small>a)</small>	DEPTH <small>b)</small>	LEGEND <small>c)</small>	CLASSIFICATION OF MATERIALS <small>d)</small>	% CORE RECOVERY <small>e)</small>	BOX OR SAMPLE NO. <small>f)</small>	REMARKS <small>g)</small>		
	11.0		same, dry			cuttings		
	12.0		same, mod. plastic, dry			BKSB114		
	14.0		same, dry			cuttings		
	15.0							
	15.5		same with more silt, brittle, dry, hard, not plastic			BKSB115		
	16.0							
	18.0		same with weathered limestone interbeds			cuttings		
	20.0							

SIGNATURE OF INSPECTOR/DATE <i>J. DeVaughn</i> 12-11-96	PROJECT	HOLE NO. FH3K6-SB105
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# HTRW DRILLING LOG (continued)

HOLE NUMBER  
**FHBK6-SB105**  
 SHEET  
**3** OF **3** SHEETS

PROJECT

INSPECTOR  
*J. DeWain* SAIC

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	22.5		same, dry			BKSB116
			same, dry			cuttings
	24.0		TD Blue-gray weathered limestone, dry, hard drilling to 24.0			
	26.0					
	28.0					
	30.0					
	32.0					

SIGNATURE OF INSPECTOR/DATE  
*J. DeWain* 12-11-96

PROJECT

HOLE NO.  
**FHBK6-SB105**

<b>HTRW DRILLING LOG</b>		DIVISION Fort Worth Dist.	INSTALLATION Fort Hood	SHEET 1	SHEETS OF 3
1. PROJECT Fort Hood RFI		10. SIZE AND TYPE OF BIT 4 1/4" HSA			
2. LOCATION/STATION FH BKG		11. DATUM FOR ELEVATION SHOWN NA			
3. DRILLING AGENCY TERZA MAR		12. MANUFACTURER'S DESIGNATION OF DRILL MOBILE B-50			
4. HOLE NUMBER FH BKG-SB106		13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN NA	DISTURBED	UNDISTURBED	
5. NAME OF DRILLER BILL CHRISTOPHER		14. TOTAL NUMBER OF CORE BOXES NA			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		15. GROUNDWATER ELEVATION NA			
7. THICKNESS OF OVERBURDEN NA		16. DATE HOLE		STARTED 12-12-96	COMPLETED 12-12-96
8. DEPTH DRILLED INTO ROCK		17. ELEVATION TOP OF HOLE NA			
9. TOTAL DEPTH OF HOLE 25.5'		18. TOTAL CORE RECOVERY FOR HOLE NA		_____ PERCENT	

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	1.0		Silty clay, mottled 2.5Y7/6 yellow and 10YR 6/6 brownish yellow, dry, firm, not plastic, weathered limestone fragments			BKSB117
	2.0		same, dry			
	3.0		same, dry			Geotechnical Sample
	4.0		same with weathered limestone interbeds			Cuttings
	6.0					
	7.0		same with trace fine sand, dry			
	8.0					
	9.0					
	9.5		Silty fine sand, 2.5Y8/4 pale yellow, dry, carbonate (HCl fizz), not plastic			BKSB118
			same, dry			

SIGNATURE OF INSPECTOR/DATE J. W. D... 12-17-96	PROJECT Fort Hood	HOLE NO. FH BKG-SB106
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# HTRW DRILLING LOG (continued)

HTRW DRILLING LOG (continued)						HOLE NUMBER
PROJECT				INSPECTOR		FHBCG-SB106
				J. DeVaughn, SAIC		SHEET SHEETS
						2 OF 3
ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	12.0		same, dry			cuttings
	14.0		same except color change to 10YR 8/2 v. pale brown			cuttings
	14.5		same as above fine sand except no silt			DKSB119
	16.0		same, dry			cuttings
	19.0		fine sand, 2.5Y 8/4 pale yellow, non carbonate, soft, dry			BKSB120
	20.0		same, dry			cuttings

SIGNATURE OF INSPECTOR/DATE <i>J. DeVaughn</i> 12-12-96	PROJECT	HOLE NO. FHBCG-SB106
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SAIC 1996 after PNG FORM 1836

# HTRW DRILLING LOG (continued)

HOLE NUMBER  
**FH BKG-SB106**  
 SHEET  
**3** OF **3** SHEETS

PROJECT

INSPECTOR  
*S. DeVaughn, SAIC*

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
			same, dry			cuttings
	23.0		tan weathered limestone, dry			cuttings
	24.0					
	25.5		TD			
	26.0		Blue-gray weathered limestone, dry			
	28.0					
	30.0					
	32.0					

SIGNATURE OF INSPECTOR/DATE  
*S. DeVaughn* 12-12-96

PROJECT

HOLE NO.  
**FH BKG-SB106**

<b>HTRW DRILLING LOG</b>		DIVISION Fort Worth Dist.	INSTALLATION Fort Hood	SHEET 1	SHEETS 1
1. PROJECT Fort Hood T2F1		10. SIZE AND TYPE OF BIT 4 1/4" HSA			
2. LOCATION/STATION FH BKG		11. DATUM FOR ELEVATION SHOWN NA			
3. DRILLING AGENCY TERZA MAR		12. MANUFACTURER'S DESIGNATION OF DRILL MOBILE B-50			
4. HOLE NUMBER FH BKG-SB107		13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN NA	DISTURBED	UNDISTURBED	
5. NAME OF DRILLER BILL CHRISTOPHER		14. TOTAL NUMBER OF CORE BOXES NA			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		15. GROUNDWATER ELEVATION NA			
7. THICKNESS OF OVERBURDEN NA		18. DATE HOLE		STARTED 12-12-96	COMPLETED 12-12-96
8. DEPTH DRILLED INTO ROCK		17. ELEVATION TOP OF HOLE NA			
9. TOTAL DEPTH OF HOLE 6.0'		18. TOTAL CORE RECOVERY FOR HOLE NA		_____ PERCENT	

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	1.0		Silty clay, mottled 10YR 6/8 brownish yellow and 10YR 6/2 lt. brownish gray, hard, not plastic, dry, weathered limestone fragments			BKSB124
	1.7		same			
	2.0		Blue-gray weathered limestone, 2.5 Y6/1 gray, fossiliferous			cuttings
	4.0					
	4.5		same			BKSB125
			same			cuttings
	5.5					
	6.0		same			BKSB126
			TD			
	8.0					

SIGNATURE OF INSPECTOR/DATE A. W. [Signature] 12-12-96	PROJECT FH BKG-SB107	HOLE NO. FH BKG-SB107
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# HTRW DRILLING LOG

Fort Worth Dist. Fort Hood

SHEET 1 OF 2 SHEETS

1. PROJECT: **Ft. Hood RFI**

2. LOCATION/STATION: **FHBKG**

3. DRILLING AGENCY: **TERZA MAR**

4. HOLE NUMBER: **FHBKG-SB108**

5. NAME OF DRILLER: **Bill Christopher**

6. DIRECTION OF HOLE:  VERTICAL  INCLINED \_\_\_\_\_ DEGREES FROM VERTICAL

7. THICKNESS OF OVERBURDEN: **NA**

8. DEPTH DRILLED INTO ROCK: \_\_\_\_\_

9. TOTAL DEPTH OF HOLE: **17.0'**

10. SIZE AND TYPE OF BIT: **4 1/4" HSA**

11. DATUM FOR ELEVATION MEASUREMENT: **NA**

12. MAKE AND MODEL OF DRILL: **MOBILE B-50**

13. TOTAL SAMPLES OF OVERBURDEN SAMPLES TAKEN: **NA**

14. TOTAL NUMBER OF CORE BOXES: **NA**

15. GROUNDWATER ELEVATION: **NA**

16. DATE HOLE STARTED: **1-14-97** COMPLETED: **1-14-97**

17. ELEVATION OF HOLE: **NA**

18. TOTAL CORE RECOVERY FOR HOLE: **NA** PERCENT

ELEVATION (ft)	DEPTH (ft)	LEGEND (ft)	CLASSIFICATION OF MATERIALS	% CORE RECOVERY	BOX OR SAMPLE NO.	REMARKS
	1.0		(Upper 0.4 to soil) Silty clay, 2YR6/8 brown to yellow, weathered limestone fragments, firm, not plastic, dry			BKSB135
	2.0		same, dry			
	3.0					
	4.0		same, dry			cuttings
	5.0					
	5.5		same, mottled with 2.5Y7/3 pale yellow, dry			BKSB136
	6.0		same, dry			
	7.0					
	8.0		same, dry			cuttings
	9.0					
	9.5		same, dry			BKSB137
	10.0		same, dry			cuttings

SIGNATURE OF INSPECTOR/DATE: *J. Williams* 1-14-97

PROJECT: **Ft. Hood RFI**

TABLE NO.: **FHBKG-SB108**

# HTRW DRILLING LOG (continued)

PROJECT

*Ft. Hood RFI*

INSPECTOR

*J. S. Wynn SAIC*

HOLE NUMBER

*FH3KG-SB108*

SHEET

OF SHEETS

*2 OF 2*

ELEVATION

DEPTH

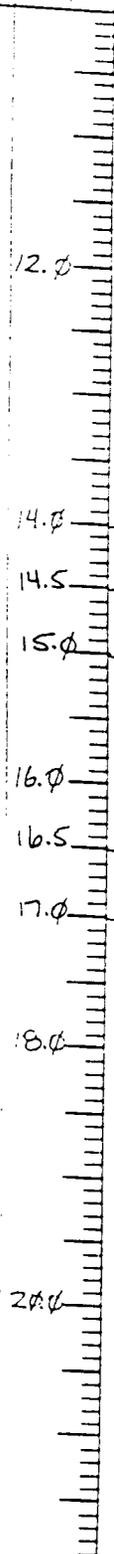
LOGGING

CLASSIFICATION OF MATERIALS

% CORRECTION  
RECOVERY

BOX OR  
SAMPLE NO

REMARKS



CLASSIFICATION OF MATERIALS	% CORRECTION RECOVERY	BOX OR SAMPLE NO	REMARKS
<i>same, dry</i>			<i>cuttings</i>
<i>same, less silty, dry</i>			<i>BKSB138</i>
<i>same, dry</i>			
<i>Blue-gray weathered limestone</i>			
<i>same, dry</i>			<i>BKSB139</i>
<i>TD</i>			

SIGNATURE OF INSPECTOR/DATE

*J. S. Wynn 1-14-97*

PROJECT

*Ft. Hood RFI*

HOLE NO.

*FH3KG-SB108*

# HTRW DRILLING LOG

PROJECT: **Fort Worth Dist** **Fort Hood** SHEET: **1** OF **3**

1. LOCATION OF STATION: **Ft. Hood RFI** 10. SIZE AND TYPE OF HOLE: **4 1/4" HSA**

2. DRILLER'S AGENCY: **FHBKG** 11. DATE FOR ELEVATION SHOWN: **NA**

3. HOLE NUMBER: **TERIZA MAR** 12. NAME AND TYPE OF EQUIPMENT USED: **MOBILE B-50**

4. NAME OF OPERATOR: **FHBKG-SB109** 13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN: **NA** DISTURBED: **NA** UNDISTURBED: **NA**

5. DIRECTION OF HOLE:  VERTICAL  INCLINED \_\_\_\_\_ DEGREES FROM VERTICAL 14. TOTAL NUMBER OF CORE BOXES: **NA**

6. THICKNESS OF OVERBURDEN: **NA** 15. GROUNDWATER ELEVATION: **NA**

7. DEPTH OF CORE INTO ROCK: **NA** 16. DATE HOLE STARTED: **1-15-97** COMPLETED: **1-15-97**

8. TOTAL DEPTH OF HOLE: **24.0'** 17. ELEVATION OF HOLE: **NA**

9. TOTAL CORE RECOVERY FOR HOLE: **NA** PERCENT: \_\_\_\_\_

ELEVATION (ft)	DEPTH (ft)	LEGEND (ft)	CLASSIFICATION OF MATERIALS (ft)	% CORE RECOVERY (%)	BOX OR SAMPLE NO.	REMARKS (ft)
	1.0		Silty clay 5YR 2.5/1 black, highly plastic, damp, trace roots, trace angular to subrounded rock fragments < 1 cm			BKSB140
	2.0		Same, damp			
	3.0		Same, damp			
	4.0		Same, damp			cuttings
	5.0		Same, damp			BKSB141
	6.0		Same, damp			
	7.0		Silty clay 7.5YR 6/4 lt. brown, not plastic, dry, trace weathered limestone fragments, stiff, some fine sand from 8'-9' bgs.			
	8.0		Same, dry			
	9.0					BKSB142

SIGNATURE OF INSPECTOR/DATE: **J. D. Wayman 1-15-97** PROJECT: **Ft. Hood RFI** HOLE NO.: **FHBKG-SB109**

# HTRW DRILLING LOG (continued)

PROJECT

*Ft. Hood RFI*

INSPECTOR

*J. Williams SATC*

HOLE NUMBER

*FH BK6-SB109*

SHEET

SHEETS

*2 OF 3*

ELEVATION

DEPTH

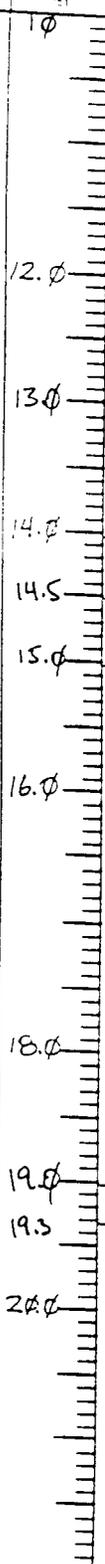
LEGEND

CLASSIFICATION OF MATERIALS

% CORE RECOVERY

BOX OR SAMPLE NO

REMARKS



Same except rock fragments mostly weathered limestone; up to 2% total matrix

same, dry

cuttings

same, dry, with limestone frags up to 4%, also 1% fine sand

BKSB143

same, dry

same, dry

BKSB144

same, dry

cuttings

SIGNATURE OF INSPECTOR (DATE)

*J. Williams 1-15-97*

PROJECT

*Ft. Hood RFI*

HOLE NO

*FH BK6-SB109*

# HTRW DRILLING LOG (continued)

HTRW DRILLING LOG (continued)					HOLE NUMBER	
PROJECT			INSPECTOR		FH BKG-53109	
ELEVATION			DEPTH		SHEET SHEETS	
(ft)			(ft)		3 OF 3	
LEGEND		CLASSIFICATION OF MATERIALS		% CORE / RECOVERY	BOX OR SAMPLE NO.	REMARKS
(c)		(d)		(e)	(f)	(g)
		same, dry				cuttings
23.0		Silty fine to med. sand, massive 7.5YR7/8 reddish yellow and 7.5YR7/1 lt. gray, med. plastic, moist, soft				
24.0		TD Angular gravel, saturated				water in hole, attempted sample, no recovery (in gravel at 24' bgs)
26.0						
28.0						
30.0						
32.0						

SIGNATURE OF INSPECTOR/DATE  
*J. DeVaughn* 1-15-97

PROJECT  
 Ft. Hood RFI

HOLE NO.  
 FH BKG-53109

<b>HTRW DRILLING LOG</b>		DIVISION Fort Worth Dist.	INSTALLATION Fort Hood	SHEET 1	SHEETS OF 4
1. PROJECT Fort Hood RFI		10. SIZE AND TYPE OF BIT 4 1/4" HSA			
2. LOCATION/STATION FHBKG		11. DATUM FOR ELEVATION SHOWN NA			
3. DRILLING AGENCY TERRA MAR		12. MANUFACTURER'S DESIGNATION OF DRILL MOBILE B-50			
4. HOLE NUMBER FHBKG-SB110		13. TOTAL NUMBER OF OVERBURDEN SAMPLES TAKEN NA	DISTURBED	UNDISTURBED	
5. NAME OF DRILLER Bill Christopher		14. TOTAL NUMBER OF CORE BOXES NA			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED _____ DEGREES FROM VERTICAL		15. GROUNDWATER ELEVATION NA			
7. THICKNESS OF OVERBURDEN NA		18. DATE HOLE	STARTED	COMPLETED	
8. DEPTH DRILLED INTO ROCK			12-13-96	12-13-96	
9. TOTAL DEPTH OF HOLE 34.5'		17. ELEVATION TOP OF HOLE NA			
		18. TOTAL CORE RECOVERY FOR HOLE NA		PERCENT	

ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)
	1.0		Sand, 7.5 YRS/6 strong brown, fine to medium with some silt, soft, damp, not plastic			BKSB127
	2.0		same, damp to moist			
	3.0					
	4.0		Clayey sand, 2.5 YR 4/6 red, mod. plastic, firm, damp			
	6.0		same, damp			BKSB128
	8.0		same, damp			
			same, damp			Geotechnical Sample
			same, damp			

SIGNATURE OF INSPECTOR/DATE A. [Signature] 12-13-96	PROJECT FHBKG-SB110	HOLE NO. FHBKG-SB110
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# HTRW DRILLING LOG (continued)

PROJECT		INSPECTOR				HOLE NUMBER	
		F. DeVaunh, SAIC				FH BKG-SB110	
ELEVATION a)	DEPTH b)	LEGEND c)	CLASSIFICATION OF MATERIALS d)	% CORE RECOVERY e)	BOX OR SAMPLE NO. f)	REMARKS g)	
	10.0		same, slightly less clay, dry			BKSB129	
	11.0		same, dry				
	12.0						
	14.0		same, color now 5YR5/6 yellowish red, dry, less clay				
	15.0		same, dry			BKSB130	
	16.0		same, dry				
	18.0		same, more clay, dry				
	19.5						
	20.0		Silty clay, trace sand, 7.5YR 6/6 reddish yellow, hard, dry, trace tan weathered limestone fragments < 1 cm				
	20.5		same, dry			BKSB131	
	21.0		same, dry				

SIGNATURE OF INSPECTOR/DATE  
*F. DeVaunh* 12-13-96

PROJECT

HOLE NO.

FH BKG-SB110

# HTRW DRILLING LOG (continued)

PROJECT					INSPECTOR		HOLE NUMBER	
					G. DeVaughn SAIC		FH BKG-SB110	
							SHEET	SHEETS
							3	OF 4
ELEVATION <small>(a)</small>	DEPTH <small>(b)</small>	LEGEND <small>(c)</small>	CLASSIFICATION OF MATERIALS <small>(d)</small>	% CORE RECOVERY <small>(e)</small>	BOX OR SAMPLE NO. <small>(f)</small>	REMARKS <small>(g)</small>		
	24.0		same, dry					
	25.0		same, dry			BKSB132		
	26.0		same, dry					
	28.0		same, dry					
	29.0		same with more silt, moist, softer					
	30.0		same except very silty, soft, damp			BKSB133		
	31.0		same, damp					
	32.0		same, damp					
	33.0		Silty fine sand, trace gravel and coarse sand at bottom, saturated, not plastic, 7.5YR6/6 reddish yellow					

SIGNATURE OF INSPECTOR/DATE  
*G. DeVaughn* 12-13-96

PROJECT

HOLE NO.  
FH BKG-SB110

HTRW DRILLING LOG (continued)						HOLE NUMBER	
PROJECT				INSPECTOR		FH BKG-SB110	
				J. DeVauxin SAIC		SHEET SHEETS 4 OF 4	
ELEVATION (a)	DEPTH (b)	LEGEND (c)	CLASSIFICATION OF MATERIALS (d)	% CORE RECOVERY (e)	BOX OR SAMPLE NO. (f)	REMARKS (g)	
	34.0		Coarse sand / poorly sorted gravel, angular to round, saturated, 1.5' water in hole.			BKSB134	
	34.5			TD			
SIGNATURE OF INSPECTOR/DATE		PROJECT			HOLE NO.		
J. DeVauxin 12-13-96					FH BKG-SB110		

## **APPENDIX E**

### **Statistical Calculations**

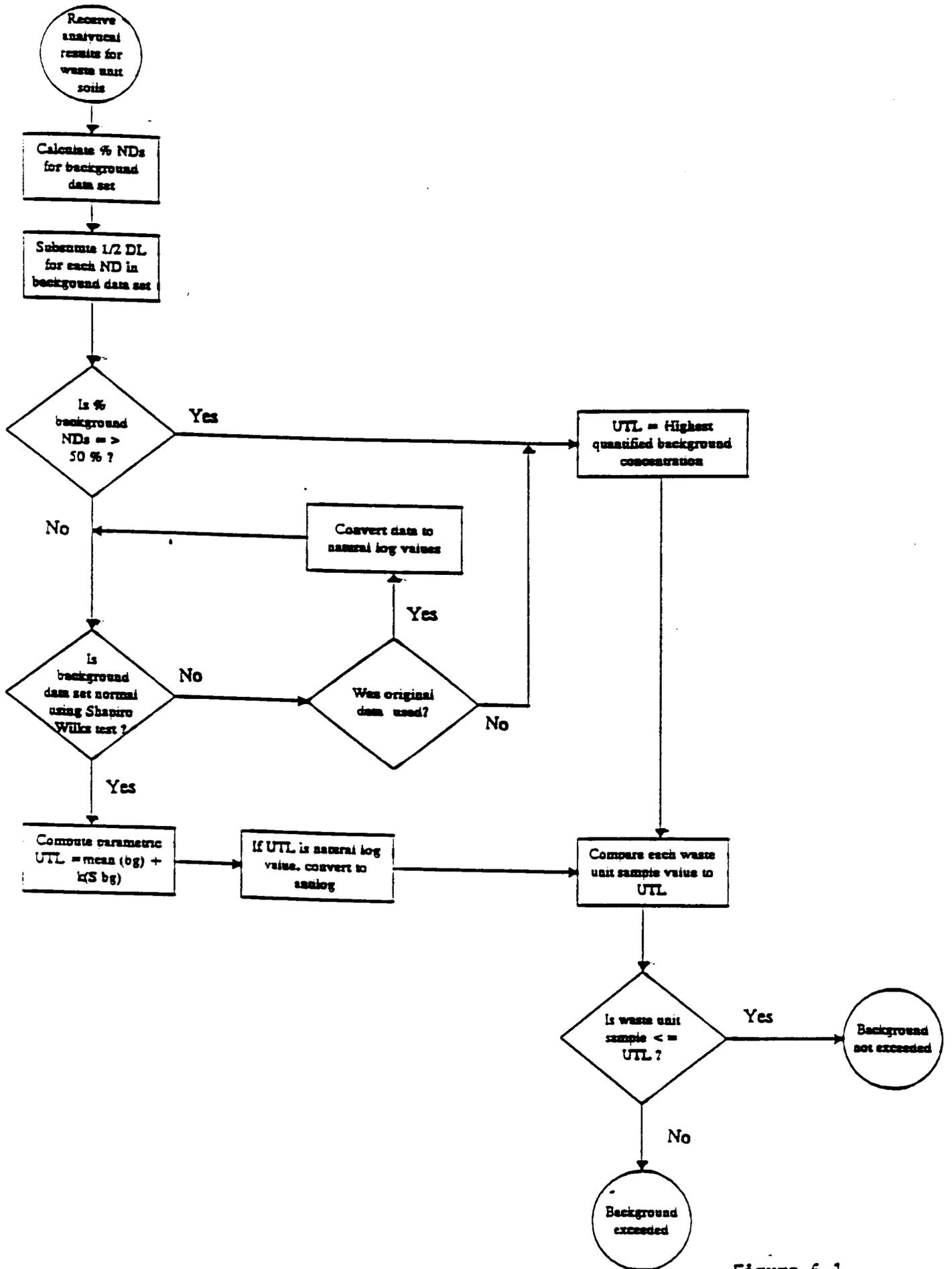
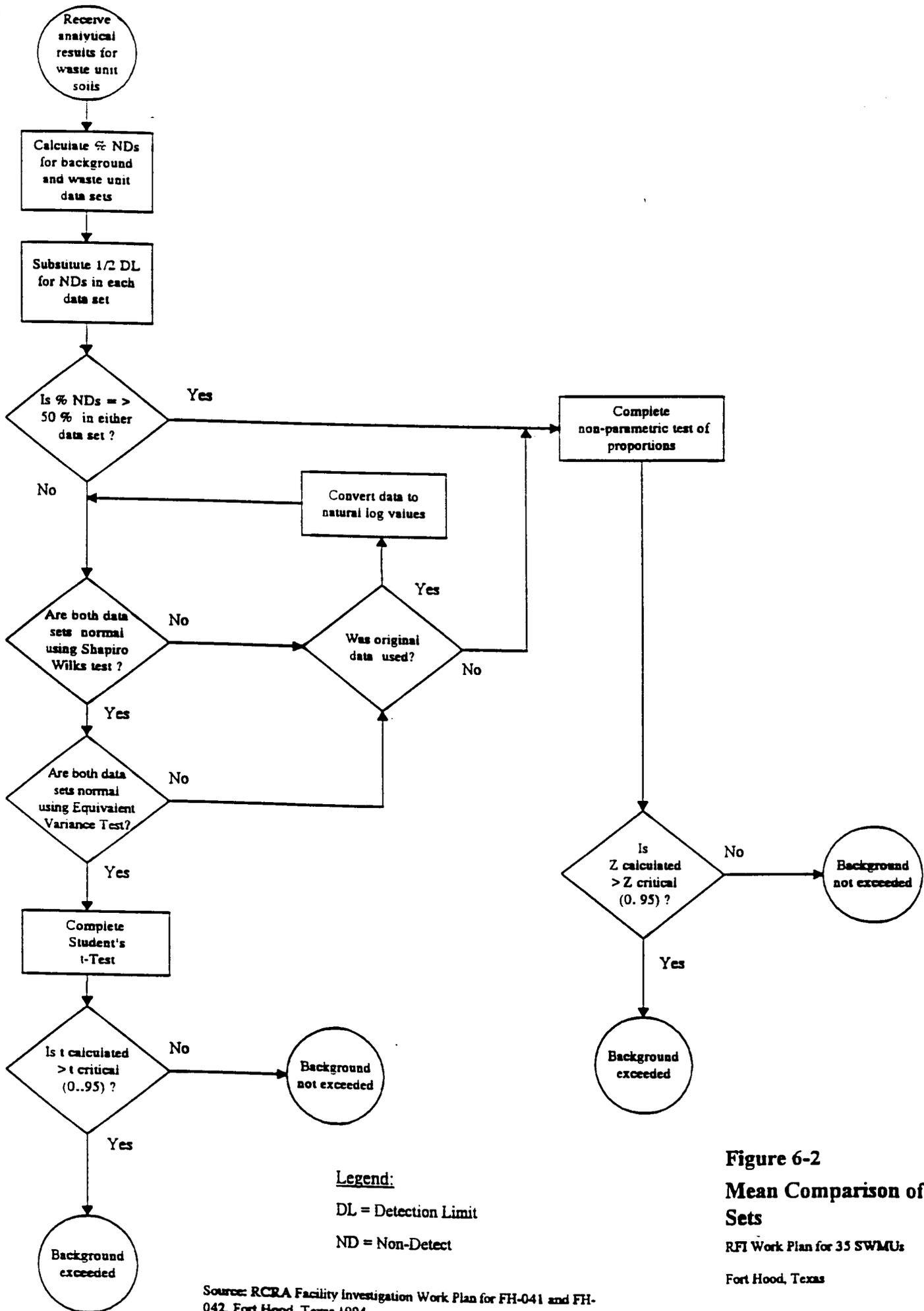


Figure 6-1  
 95% Upper Tolerance Limit  
 RFI Work Plan for 35 SWMUs  
 Fort Hood, Texas



**Figure 6-2**  
**Mean Comparison of Data Sets**  
 RFI Work Plan for 35 SWMUs  
 Fort Hood, Texas

Source: RCRA Facility Investigation Work Plan for FH-041 and FH-042, Fort Hood, Texas 1994.

Formulas for Shapiro Wilk or W test

1. Compute the denominator  $d$  of the W test statistic, using the n data;

$$d = \sum_i^n (x_i - \bar{x})^2$$

2. Order the n data from smallest to largest to obtain the sample order statistics

$$x_1 \leq x_2 \leq x_3 \leq \text{etc}$$

3. Compute  $k$ , where  $k = n/2$  if n is even or

$$k = (n-1)/2 \text{ if n is odd}$$

4. Turn to Table A6 in *Statistical Methods for Environmental Pollution Monitoring*, by Richard Gilbert, and for the observed n find the coefficients  $a_1, a_2, \dots, a_k$ .

5. Then compute  $W$

$$W = 1/d \{ \sum a_i (x_{[n-i+1]} - x_{[i]}) \}^2$$

6. Reject  $H_0$  at the  $\alpha$  significance level if W is less than the quantile given in Table A7 of *Statistical Methods for Environmental Pollution Monitoring*, by Richard Gilbert.

This procedure is used on the logarithms of data to test if distribution is lognormal.

### 95% UTL Calculations

1. Determine distribution. If normal use the data as is and 1/2 of the value for nondetects. If lognormal distribution calculate the 95% UTL on the log values.
2. Find the mean of the data set.
3. Find the standard deviation of data set
4. Based on the n of the data set look up the K value from *Statistical Methods for Environmental Pollution Monitoring*, by Richard Gilbert, Table A3.
5. Calculate the 95% UTL = mean + K(standard deviation)

For lognormal distribution, need to take the exponent of the 95%UTL of the log.

95% UTLs

Soil Background 95% UTLs NO DUPLICATES						
smp_id	Mercury		Arsenic	Barium		
	Result (x)	Qual	Result (x)	Result	Qual	Ln(x)
BKSB101	0.04	U	3	21.3	J	3.058707073
BKSB102	0.04	U	2	8	J	2.079441542
BKSB103	0.04	U	9.1	14.7	J	2.687847494
BKSB105	0.04	U	4.3	23.4	J	3.152736022
BKSB106	0.04	U	4.4	43.7	J	3.777348102
BKSB107	0.04	U				
BKSB109	0.04	U	3.5	155	J	5.043425117
BKSB110	0.04	U	4.8	24.1	J	3.18221184
BKSB111	0.04	U	5.2	7.2	J	1.974081026
BKSB113	0.04	U	5.7	20.5	J	3.020424886
BKSB114	0.04	U	5.2	25.2	J	3.226843995
BKSB115	0.04	U	5.3	10.6	J	2.360854001
BKSB116	0.04	U	11.6	4.9	J	1.589235205
BKSB118	0.04	U	2.6	4.4	J	1.481604541
BKSB119	0.04	U	0.66	3		1.098612289
BKSB120	0.04	U	0.44	2		0.693147181
BKSB122	0.04	U	3.2	6.1		1.808288771
BKSB123	0.04	U	3.8	5.5		1.704748092
BKSB125	0.04	U	3.2	18.1		2.895911938
BKSB126	0.04	U	2.5	5.4		1.686398954
BKSB128	0.04		3.6	36.3		3.591817741
BKSB129	0.04	U	2.6	26.3		3.269568939
BKSB130	0.04	U	1	8.1		2.091864062
BKSB131	0.04	U	5.3	65.9		4.188138442
BKSB132	0.04	U	4.2	41.7		3.730501129
BKSB133	0.04	U	3.2	68.6		4.228292535
BKSB134	0.04	U	2.9	20.1		3.000719815
BKSB136	0.04	U	4.3	14.8	J	2.694627181
BKSB137	0.04	U	8.2	7.8	J	2.054123734
BKSB138	0.04	U	9.2	12.2	J	2.501435952
BKSB139	0.04	U	7.6	7.3	J	1.987874348
BKSB141	0.04	U	5.6	127	J	4.844187086
BKSB142	0.04	U	3.8	63	J	4.143134726
BKSB143	0.04	U	3.8	39.3	J	3.671224519
BKSB144	0.04	U	3.7	36.1	J	3.586292865
BKSB104	0.04	U	6.2	28.2	J	3.339321978
BKSB108	0.04	U	6	72.4	J	4.282206299
BKSB112	0.04	U	1.6	6.6	J	1.887069649
BKSB117	0.04	U	4.4	27.9	J	3.328626689
BKSB121	0.04	U	4.1	24		3.17805383
BKSB124	0.04	U	6	19.3		2.960105096
BKSB127	0.04	U	1.9	18.8		2.93385687
BKSB135	0.04	U	2.7	15.4	J	2.734367509
BKSB140	0.04	U	4.8	108	J	4.682131227
%nondetects=	0.04	0.957446809			0	
Distribution	D		N			L
Mean	0.04		4.353488372	30.19069767		2.917009542
std dev	0		2.299203676	33.47344231		1.018594869
n	44		43	43		43
K	2.097		2.102	2.102		2.102
UTL	0.04		<b>9.186414498</b>	100.5518734		5.058095955
UTL(ln)=exp(mean + K(std dev)						<b>157.2907424</b>

95% UTLs

Soil Background 95							
smp_id	Cadmium				Chromium		
	Result (x)	Qual	1/2 nondetects	Ln(x)	Result (x)	Qual	Ln(x)
BKSB101	0.12		0.12	-2.120263536	5.1	J	1.62924054
BKSB102	0.05		0.05	-2.995732274	10.3	J	2.332143895
BKSB103	0.05	U	0.025	-3.688879454	10.1	J	2.312535424
BKSB105	0.11		0.11	-2.207274913	4	J	1.386294361
BKSB106	0.16		0.16	-1.832581464	7.6	J	2.028148247
BKSB107	0.35		0.35	-1.049822124	5.1	J	1.62924054
BKSB109	0.07		0.07	-2.659260037	6.5	J	1.871802177
BKSB110	0.06		0.06	-2.813410717	16.6	J	2.809402695
BKSB111	0.05		0.05	-2.995732274	6.2	J	1.824549292
BKSB113	0.07		0.07	-2.659260037	8.9	J	2.186051277
BKSB114	0.05	U	0.025	-3.688879454	20.3	J	3.010620886
BKSB115	0.06		0.06	-2.813410717	7.3	J	1.987874348
BKSB116	0.2		0.2	-1.609437912	2.7	J	0.993251773
BKSB118	0.19		0.19	-1.660731207	2.2	J	0.78845736
BKSB119	0.06		0.06	-2.813410717	2.1		0.741937345
BKSB120	0.04	U	0.02	-3.912023005	0.93		-0.072570693
BKSB122	0.06		0.06	-2.813410717	4.9		1.589235205
BKSB123	0.08		0.08	-2.525728644	4.3		1.458615023
BKSB125	0.11		0.11	-2.207274913	5.1		1.62924054
BKSB126	0.06		0.06	-2.813410717	5.5		1.704748092
BKSB128	0.05	U	0.025	-3.688879454	8.5		2.140066163
BKSB129	0.04	U	0.02	-3.912023005	4.6		1.526056303
BKSB130	0.07		0.07	-2.659260037	1.8		0.587786665
BKSB131	0.15		0.15	-1.897119985	7.7		2.041220329
BKSB132	0.04	U	0.02	-3.912023005	5.9		1.774952351
BKSB133	0.11		0.11	-2.207274913	4.9		1.589235205
BKSB134	0.08		0.08	-2.525728644	1.2		0.182321557
BKSB136	0.2	J	0.2	-1.609437912	8.3		2.116255515
BKSB137	0.18	J	0.18	-1.714798428	8.1		2.091864062
BKSB138	0.21	J	0.21	-1.560647748	11.1		2.406945108
BKSB139	0.2	J	0.2	-1.609437912	8.4		2.128231706
BKSB141	0.45	J	0.45	-0.798507696	23.6		3.161246712
BKSB142	0.29	J	0.29	-1.237874356	8.4		2.128231706
BKSB143	0.27	J	0.27	-1.30933332	12.2		2.501435952
BKSB144	0.2	J	0.2	-1.609437912	6.5		1.871802177
BKSB104	0.15		0.15	-1.897119985	3.1	J	1.131402111
BKSB108	0.2		0.2	-1.609437912	12.9	J	2.557227311
BKSB112	0.04	U	0.02	-3.912023005	4	J	1.386294361
BKSB117	0.18		0.18	-1.714798428	5.7	J	1.740466175
BKSB121	0.18		0.18	-1.714798428	6.3		1.840549633
BKSB124	0.11		0.11	-2.207274913	7.2		1.974081026
BKSB127	0.04	U	0.02	-3.912023005	3.7		1.30833282
BKSB135	0.17	J	0.17	-1.771956842	6.1		1.808288771
BKSB140	0.79	J	0.79	-0.235722334	16.1		2.778819272
%nondetects=		0.191489362				0	
Distribution				L			L
Mean	0.145454545			-2.343338046	7.318863636		1.786680257
std dev	0.134759986			0.926564755	4.781799902		0.680627117
n	44			44	44		44
K	2.097			2.097	2.097		2.097
UTL	0.428046235			-0.40033175	17.34629803		3.213955322
UTL(ln)=exp(mean)				0.670097701			24.87728958

95% UTLs

Soil Background 95							
smp_id	Lead			Selenium		Silver	
	Result (x)	Qual	Ln(x)	Result (x)	Qual	Result (x)	Qual
BKSB101	6	J	1.791759469	0.37	U	0.24	U
BKSB102	5	J	1.609437912	0.36	U	0.23	U
BKSB103	9.5	J	2.251291799	0.38	U	0.24	U
BKSB105	3.9	J	1.360976553	0.33	U	0.21	U
BKSB106	5	J	1.609437912	0.33	U	0.21	U
BKSB107	6.1	J	1.808288771	0.36	U	0.23	U
BKSB109	3.2	J	1.16315081	0.34	U	0.22	U
BKSB110	7.8	J	2.054123734	0.36	U	0.23	U
BKSB111	5.3	J	1.667706821	0.35	U	0.22	U
BKSB113	6	J	1.791759469	0.36	U	0.23	U
BKSB114	7.7	J	2.041220329	0.38	U	0.24	U
BKSB115	5.1	J	1.62924054	0.32	U	0.2	U
BKSB116	5.6	J	1.722766598	0.33	U	0.21	U
BKSB118	3.7	J	1.30833282	0.34	U	0.21	U
BKSB119	1.3	J	0.262364264	0.33	U	0.21	U
BKSB120	0.72	J	-0.328504067	0.32	U	0.2	U
BKSB122	4.1	J	1.410986974	0.33	U	0.21	U
BKSB123	3.8	J	1.335001067	0.33	U	0.21	U
BKSB125	1.7	J	0.530628251	0.36		0.2	U
BKSB126	1.5	J	0.405465108	0.44		0.21	U
BKSB128	7.5	J	2.014903021	0.35	U	0.22	U
BKSB129	4.1	J	1.410986974	0.33	U	0.21	U
BKSB130	3.1	J	1.131402111	0.32	U	0.2	U
BKSB131	10.1	J	2.312535424	0.34	U	0.22	U
BKSB132	7.8	J	2.054123734	0.34	U	0.21	U
BKSB133	6.3	J	1.840549633	0.35	U	0.22	U
BKSB134	2.3	J	0.832909123	0.33	U	0.21	U
BKSB136	3	J	1.098612289	0.32	R	0.22	U
BKSB137	2.3	J	0.832909123	0.31	R	0.21	U
BKSB138	4.1	J	1.410986974	0.32	R	0.22	U
BKSB139	3.6	J	1.280933845	0.31	R	0.21	U
BKSB141	12.1	J	2.493205453	1.8	R	0.25	U
BKSB142	5	J	1.609437912	1.9	R	0.25	U
BKSB143	6.6	J	1.887069649	0.35	R	0.24	U
BKSB144	4	J	1.386294361	0.31	R	0.21	U
BKSB104	5.3	J	1.667706821	0.32	U	0.2	U
BKSB108	9.8	J	2.282382386	0.37	U	0.23	U
BKSB112	1.5	J	0.405465108	0.32	U	0.2	U
BKSB117	8.3	J	2.116255515	0.33	U	0.21	U
BKSB121	10.2	J	2.32238772	0.34	U	0.22	U
BKSB124	4.5	J	1.504077397	0.34	U	0.21	U
BKSB127	3.8	J	1.335001067	0.33	U	0.21	U
BKSB135	2.5	J	0.916290732	1.5	R	0.21	U
BKSB140	33.2	J	3.502549876	0.35	R	0.24	U
%nondetects=		0					
Distribution			L	D		D	
Mean	5.773181818		1.52441844	0.345		0.217954545	
std dev	4.998382889		0.678101063	0.024277437		0.01390659	
n	44		44				
K	2.097		2.097				
UTL	16.25479074		2.94639637				
UTL(ln)=exp(mean			19.03722684				

Shapiro Wilk for Arsenic

smp_id	Arsenic				a(n-i+1)	b(i)
BKSB101	3	0.44	11.6	11.16	0.3894	4.345704
BKSB102	2	0.66	9.2	8.54	0.2684	2.292136
BKSB103	9.1	1	9.1	8.1	0.2334	1.89054
BKSB104	6.2	1.6	8.2	6.6	0.2078	1.37148
BKSB105	4.3	1.9	7.6	5.7	0.1871	1.06647
BKSB106	4.4	2	6.2	4.2	0.1695	0.7119
BKSB108	6	2.5	6	3.5	0.1539	0.53865
BKSB109	3.5	2.6	6	3.4	0.1398	0.47532
BKSB110	4.8	2.6	5.7	3.1	0.1269	0.39339
BKSB111	5.2	2.7	5.6	2.9	0.1149	0.33321
BKSB112	1.6	2.9	5.3	2.4	0.1035	0.2484
BKSB113	5.7	3	5.3	2.3	0.0927	0.21321
BKSB114	5.2	3.2	5.2	2	0.0824	0.1648
BKSB115	5.3	3.2	5.2	2	0.0724	0.1448
BKSB116	11.6	3.2	4.8	1.6	0.0628	0.10048
BKSB117	4.4	3.5	4.8	1.3	0.0534	0.06942
BKSB118	2.6	3.6	4.4	0.8	0.0442	0.03536
BKSB119	0.66	3.7	4.4	0.7	0.0352	0.02464
BKSB120	0.44	3.8	4.3	0.5	0.0263	0.01315
BKSB121	4.1	3.8	4.30	0.5	0.0175	0.00875
BKSB122	3.2	3.8	4.2	0.4	0.0087	0.00348
BKSB123	3.8	4.1	4.1	0	0	0
BKSB124	6	4.2	3.8	-0.4		
BKSB125	3.2	4.3	3.8	-0.5		
BKSB126	2.5	4.30	3.8	-0.5	sum Bi=	14.44529
BKSB127	1.9	4.4	3.7	-0.7		
BKSB128	3.6	4.4	3.6	-0.8	W(0.05,43)=	0.943
BKSB129	2.6	4.8	3.5	-1.3	W=	0.939827935
BKSB130	1	4.8	3.2	-1.6		
BKSB131	5.3	5.2	3.2	-2		
BKSB132	4.2	5.2	3.2	-2		
BKSB133	3.2	5.3	3	-2.3		
BKSB134	2.9	5.3	2.9	-2.4		
BKSB135	2.7	5.6	2.7	-2.9		
BKSB136	4.30	5.7	2.6	-3.1		
BKSB137	8.2	6	2.6	-3.4		
BKSB138	9.2	6	2.5	-3.5		
BKSB139	7.6	6.2	2	-4.2		
BKSB140	4.8	7.6	1.9	-5.7		
BKSB141	5.6	8.2	1.6	-6.6		
BKSB142	3.8	9.1	1	-8.1		
BKSB143	3.8	9.2	0.66	-8.54		
BKSB144	3.7	11.6	0.44	-11.16		
Sum of xi	187.2					
Mean	4.353488372					
n=	43					
sum of xi^2	1036.9992					
1/n=	0.023255814					
xi=(sum xi)^2	35043.84					
d=	222.0261767					
W=	0.939827935					
W(0.05,43)=	0.943					
W<W(0.5,43), the distribution is approximately normal						

Shapiro Wilk for Arsenic

	ln of ordered Conc. x(i)		ln of Reverse Order x(n-i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
	-0.820980552	0.674009067	2.451005098	3.27198565	0.3894	1.274111212
	-0.415515444	0.172653084	2.219203484	2.634718928	0.2684	0.70715856
	0	0	2.208274414	2.208274414	0.2334	0.515411248
	0.470003629	0.220903412	2.104134154	1.634130525	0.2078	0.339572323
	0.641853886	0.411976411	2.028148247	1.386294361	0.1871	0.259375675
	0.693147181	0.480453014	1.824549292	1.131402111	0.1695	0.191772658
	0.916290732	0.839588705	1.791759469	0.875468737	0.1539	0.134734639
	0.955511445	0.913002122	1.791759469	0.836248024	0.1398	0.116907474
	0.955511445	0.913002122	1.740466175	0.78495473	0.1269	0.099610755
	0.993251773	0.986549085	1.722766598	0.729514825	0.1149	0.083821253
	1.064710737	1.133608953	1.667706821	0.602996084	0.1035	0.062410095
	1.098612289	1.206948961	1.667706821	0.569094532	0.0927	0.052755063
	1.16315081	1.352919806	1.648658626	0.485507816	0.0824	0.040005844
	1.16315081	2.781246039	1.648658626	0.485507816	0.0724	0.035150766
	1.16315081	6.007425991	1.568615918	0.405465108	0.0628	0.025463209
	1.252762968	2.195152016	1.568615918	0.315852949	0.0534	0.016866547
	1.280933845	0.913002122	1.481604541	0.200670695	0.0442	0.008869645
	1.30833282	0.172653084	1.481604541	0.173271721	0.0352	0.006099165
	1.335001067	0.674009067	1.458615023	0.123613956	0.0263	0.003251047
	1.335001067	1.99088424	1.458615023	0.123613956	0.0175	0.002163244
	1.335001067	1.352919806	1.435084525	0.100083459	0.0087	0.000870726
	1.410986974	1.782227848	1.410986974	0		0
	1.435084525	3.210401996	1.335001067	-0.100083459		0
	1.458615023	1.352919806	1.335001067	-0.123613956		0
	1.458615023	0.839588705	1.335001067	-0.123613956		
	1.481604541	0.411976411	1.30833282	-0.173271721		3.976381148
	1.481604541	1.640791516	1.280933845	-0.200670695		
	1.568615918	0.913002122	1.252762968	-0.315852949	W(0.05,43)=	0.943
	1.568615918	0	1.16315081	-0.405465108	W(ln)=	0.910616383
	1.648658626	2.781246039	1.16315081	-0.485507816		
	1.648658626	2.059467595	1.16315081	-0.485507816		
	1.667706821	1.352919806	1.098612289	-0.569094532		
	1.667706821	1.133608953	1.064710737	-0.602996084		
	1.722766598	0.986549085	0.993251773	-0.729514825		
	1.740466175	2.127557784	0.955511445	-0.78495473		
	1.791759469	4.427380539	0.955511445	-0.836248024		
	1.791759469	4.924864104	0.916290732	-0.875468737		
	1.824549292	4.113385313	0.693147181	-1.131402111		
	2.028148247	2.460555898	0.641853886	-1.386294361		
	2.104134154	2.96792475	0.470003629	-1.634130525		
	2.208274414	1.782227848	0	-2.208274414		
	2.219203484	1.782227848	-0.415515444	-2.634718928		
	2.451005098	1.711734767	-0.820980552	-3.27198565		
Sum of xi	56.26742214		56.26742214			
Mean	1.308544701					
n=	43					
sum of xi^2	90.99206827					
1/n=	0.023255814					
xi=(sum xi)^2	3166.022794					
d=	17.3636312					
W=	0.910616383					
W(0.05,43)=	0.943					
W<W(0.5,43), the distribution is not lognormal						

Shapiro Wilk for Barium

	Bkgd Conc (xi) (mg/kg)	Ordered Conc. x(i)	Reverse Ordered x(n- i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	21.3	2	155	153	0.3894	59.5782
BKSB102	8	3	127	124	0.2684	33.2816
BKSB103	14.7	4.4	108	103.6	0.2334	24.18024
BKSB105	23.4	4.9	72.4	67.5	0.2078	14.0265
BKSB106	43.7	5.4	68.6	63.2	0.1871	11.82472
BKSB107		5.5	65.9	60.4	0.1695	10.2378
BKSB109	155	6.1	63	56.9	0.1539	8.75691
BKSB110	24.1	6.6	43.7	37.1	0.1398	5.18658
BKSB111	7.2	7.2	41.7	34.5	0.1269	4.37805
BKSB113	20.5	7.3	39.3	32	0.1149	3.6768
BKSB114	25.2	7.8	36.3	28.5	0.1035	2.94975
BKSB115	10.6	8	36.1	28.1	0.0927	2.60487
BKSB116	4.9	8.1	28.2	20.1	0.0824	1.65624
BKSB118	4.4	10.6	27.9	17.3	0.0724	1.25252
BKSB119	3	12.2	26.3	14.1	0.0628	0.88548
BKSB120	2	14.7	25.2	10.5	0.0534	0.5607
BKSB122	6.1	14.8	24.1	9.3	0.0442	0.41106
BKSB123	5.5	15.4	24	8.6	0.0352	0.30272
BKSB125	18.1	18.1	23.4	5.3	0.0263	0.13939
BKSB126	5.4	18.8	21.3	2.5	0.0175	0.04375
BKSB128	36.3	19.3	20.5	1.2	0.0087	0.01044
BKSB129	26.3	20.1	20.1	0	0	0
BKSB130	8.1	20.5	19.3	-1.2		0
BKSB131	65.9	21.3	18.8	-2.5		0
BKSB132	41.7	23.4	18.1	-5.3		
BKSB133	68.6	24	15.4	-8.6	sum Bi=	185.94432
BKSB134	20.1	24.1	14.8	-9.3		
BKSB136	14.8	25.2	14.7	-10.5	W(0.05,43)=	0.943
BKSB137	7.8	26.3	12.2	-14.1	W=	0.734709728
BKSB138	12.2	27.9	10.6	-17.3		
BKSB139	7.3	28.2	8.1	-20.1		
BKSB141	127	36.1	8	-28.1		
BKSB142	63	36.3	7.8	-28.5		
BKSB143	39.3	39.3	7.3	-32		
BKSB144	36.1	41.7	7.2	-34.5		
BKSB104	28.2	43.7	6.6	-37.1		
BKSB108	72.4	63	6.1	-56.9		
BKSB112	6.6	65.9	5.5	-60.4		
BKSB117	27.9	68.6	5.4	-63.2		
BKSB121	24	72.4	4.9	-67.5		
BKSB124	19.3	108	4.4	-103.6		
BKSB127	18.8	127	3	-124		
BKSB135	15.4	155	2	-153		
BKSB140	108			0		
Sum of xi	1298.2					
Mean	30.19069767					
n=	43					
sum of xi^2	86253.36					
1/n=	0.023255814					
xi=(sum xi)^2	1685323.24					
d=	47059.79628					
W=	0.734709728					
W(0.05,43)=	0.943					
W<W(0.5,43), distribution is not Normal						

Shapiro Wilk for Barium

	ln of ordered Conc. x(i)		ln of Reverse Order x(n-i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
	0.693147181	0.480453014	5.043425117	4.350277936	0.3894	1.693998228
	1.098612289	1.206948961	4.844187086	3.745574798	0.2684	1.005312276
	1.481604541	2.195152016	4.682131227	3.200526686	0.2334	0.747002929
	1.589235205	2.525668537	4.282206299	2.692971094	0.2078	0.559599393
	1.686398954	2.843941431	4.228292535	2.541893581	0.1871	0.475588289
	1.704748092	2.906166058	4.188138442	2.483390349	0.1695	0.420934664
	1.808288771	3.26990828	4.143134726	2.334845955	0.1539	0.359332793
	1.887069649	3.56103186	3.777348102	1.890278453	0.1398	0.264260928
	1.974081026	3.896995897	3.730501129	1.756420103	0.1269	0.222889711
	1.987874348	3.951644424	3.671224519	1.683350171	0.1149	0.193416935
	2.054123734	4.219424313	3.591817741	1.537694008	0.1035	0.15915133
	2.079441542	4.324077125	3.586292865	1.506851324	0.0927	0.139685118
	2.091864062	4.375895253	3.339321978	1.247457916	0.0824	0.102790532
	2.360854001	5.573631615	3.328626689	0.967772688	0.0724	0.070066743
	2.501435952	6.257181821	3.269568939	0.768132987	0.0628	0.048238752
	2.687847494	7.22452415	3.226843995	0.538996501	0.0534	0.028782413
	2.694627181	7.261015643	3.18221184	0.48758466	0.0442	0.021551242
	2.734367509	7.476765677	3.17805383	0.443686321	0.0352	0.015617758
	2.895911938	8.386305954	3.152736022	0.256824084	0.0263	0.006754473
	2.93385687	8.607516133	3.058707073	0.124850203	0.0175	0.002184879
	2.960105096	8.762222179	3.020424886	0.06031979	0.0087	0.000524782
	3.000719815	9.004319409	3.000719815	0		0
	3.020424886	9.122966493	2.960105096	-0.06031979		0
	3.058707073	9.355688957	2.93385687	-0.124850203		0
	3.152736022	9.939744427	2.895911938	-0.256824084		
	3.17805383	10.10002615	2.734367509	-0.443686321		6.537684167
	3.18221184	10.1264722	2.694627181	-0.48758466		
	3.226843995	10.41252216	2.687847494	-0.538996501	W(0.05,43)=	0.943
	3.269568939	10.69008105	2.501435952	-0.768132987	W(ln)=	0.98083423
	3.328626689	11.07975563	2.360854001	-0.967772688		
	3.339321978	11.15107127	2.091864062	-1.247457916		
	3.586292865	12.86149652	2.079441542	-1.506851324		
	3.591817741	12.90115469	2.054123734	-1.537694008		
	3.671224519	13.47788947	1.987874348	-1.683350171		
	3.730501129	13.91663867	1.974081026	-1.756420103		
	3.777348102	14.26835868	1.887069649	-1.890278453		
	4.143134726	17.16556536	1.808288771	-2.334845955		
	4.188138442	17.54050361	1.704748092	-2.483390349		
	4.228292535	17.87845776	1.686398954	-2.541893581		
	4.282206299	18.33729079	1.589235205	-2.692971094		
	4.682131227	21.92235283	1.481604541	-3.200526686		
	4.844187086	23.46614853	1.098612289	-3.745574798		
	5.043425117	25.43613691	0.693147181	-4.350277936		
Sum of xi	125.4314103		125.4314103			
Mean	2.917009542					
n=	43					
sum of xi^2	409.4611119					
1/n=	0.023255814					
xi=(sum xi)^2	15733.03869					
d=	43.57649126					
W(ln)=	0.98083423					
W(0.05,43)=	0.943					
W>W(0.5,43), distribution is lognormal						

Shapiro Wilk for Cadmium

smp_id	Cadmium	(xi)^2	Ordered Conc. x(i)	Reverse Ordered x(n-i+1)	Difference x(n-i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	0.12	0.0144	0.02	0.79	0.77	0.3872	0.298144
BKSB102	0.05	0.0025	0.02	0.45	0.43	0.2667	0.114681
BKSB103	0.025	0.000625	0.02	0.35	0.33	0.2323	0.076659
BKSB104	0.15	0.0225	0.02	0.29	0.27	0.2072	0.055944
BKSB105	0.11	0.0121	0.02	0.27	0.25	0.1868	0.0467
BKSB106	0.16	0.0256	0.025	0.21	0.185	0.1695	0.0313575
BKSB107	0.35	0.1225	0.025	0.2	0.175	0.1542	0.026985
BKSB108	0.2	0.04	0.025	0.2	0.175	0.1405	0.0245875
BKSB109	0.07	0.0049	0.05	0.2	0.15	0.1278	0.01917
BKSB110	0.06	0.0036	0.05	0.2	0.15	0.116	0.0174
BKSB111	0.05	0.0025	0.06	0.2	0.14	0.1049	0.014686
BKSB112	0.02	0.0004	0.06	0.19	0.13	0.0943	0.012259
BKSB113	0.07	0.0049	0.06	0.18	0.12	0.0842	0.010104
BKSB114	0.025	0.000625	0.06	0.18	0.12	0.0745	0.00894
BKSB115	0.06	0.0036	0.06	0.18	0.12	0.0651	0.007812
BKSB116	0.2	0.04	0.07	0.17	0.1	0.056	0.0056
BKSB117	0.18	0.0324	0.07	0.16	0.09	0.0471	0.004239
BKSB118	0.19	0.0361	0.07	0.15	0.08	0.0383	0.003064
BKSB119	0.06	0.0036	0.08	0.15	0.07	0.0296	0.002072
BKSB120	0.02	0.0004	0.08	0.12	0.04	0.0211	0.000844
BKSB121	0.18	0.0324	0.11	0.11	0	0.0126	0
BKSB122	0.06	0.0036	0.11	0.11	0	0.0042	0
BKSB123	0.08	0.0064	0.11	0.11	0	0	0
BKSB124	0.11	0.0121	0.11	0.11	0		0
BKSB125	0.11	0.0121	0.12	0.08	-0.04		
BKSB126	0.06	0.0036	0.15	0.08	-0.07	Sum of b=	0.781248
BKSB127	0.02	0.0004	0.15	0.07	-0.08		
BKSB128	0.025	0.000625	0.16	0.07	-0.09	W=	0.7448006
BKSB129	0.02	0.0004	0.17	0.07	-0.1	W(0.05,44)=	0.944
BKSB130	0.07	0.0049	0.18	0.06	-0.12		
BKSB131	0.15	0.0225	0.18	0.06	-0.12		
BKSB132	0.02	0.0004	0.18	0.06	-0.12		
BKSB133	0.11	0.0121	0.19	0.06	-0.13		
BKSB134	0.08	0.0064	0.2	0.06	-0.14		
BKSB135	0.17	0.0289	0.2	0.05	-0.15		
BKSB136	0.2	0.04	0.2	0.05	-0.15		
BKSB137	0.18	0.000625	0.2	0.025	-0.175		
BKSB138	0.21	0.0225	0.2	0.025	-0.175		
BKSB139	0.2	0.0121	0.21	0.025	-0.185		
BKSB140	0.79	0.0256	0.27	0.02	-0.25		
BKSB141	0.45	0.1225	0.29	0.02	-0.27		
BKSB142	0.29	0.04	0.35	0.02	-0.33		
BKSB143	0.27	0.0049	0.45	0.02	-0.43		
BKSB144	0.2	0.0036	0.79	0.02	-0.77		
Sum of xi	6.225						
Mean	0.141477273						
n=	44						
sum of xi^2	1.700175						
1/n=	0.022727273						
xi=(sum xi)^2	38.750625						
d=	0.819478977						
W=	0.744800604						
W(0.05,44)=	0.944						
W<W(0.5,44), the distribution is not normal							

Shapiro Wilk for Cadmium

smp_id	ln of ordered Conc. x(i)	ln(xi)^2	ln of Reverse Order x(n-i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	-3.912023005	15.303924	-0.235722334	3.676300672	0.3872	1.42346362
BKSB102	-3.912023005	15.303924	-0.798507696	3.113515309	0.2667	0.830374533
BKSB103	-3.912023005	15.303924	-1.049822124	2.862200881	0.2323	0.664889265
BKSB104	-3.912023005	15.303924	-1.237874356	2.674148649	0.2072	0.5540836
BKSB105	-3.912023005	15.303924	-1.30933332	2.602689685	0.1868	0.486182433
BKSB106	-3.688879454	13.6078316	-1.560647748	2.128231706	0.1695	0.360735274
BKSB107	-3.688879454	13.6078316	-1.609437912	2.079441542	0.1542	0.320649886
BKSB108	-3.688879454	13.6078316	-1.609437912	2.079441542	0.1405	0.292161537
BKSB109	-2.995732274	8.97441185	-1.609437912	1.386294361	0.1278	0.177168419
BKSB110	-2.995732274	8.97441185	-1.609437912	1.386294361	0.116	0.160810146
BKSB111	-2.813410717	7.91527986	-1.609437912	1.203972804	0.1049	0.126296747
BKSB112	-2.813410717	7.91527986	-1.660731207	1.15267951	0.0943	0.108697678
BKSB113	-2.813410717	7.91527986	-1.714798428	1.098612289	0.0842	0.092503155
BKSB114	-2.813410717	7.91527986	-1.714798428	1.098612289	0.0745	0.081846616
BKSB115	-2.813410717	7.91527986	-1.714798428	1.098612289	0.0651	0.07151966
BKSB116	-2.659260037	7.07166394	-1.771956842	0.887303195	0.056	0.049688979
BKSB117	-2.659260037	7.07166394	-1.832581464	0.826678573	0.0471	0.038936561
BKSB118	-2.659260037	7.07166394	-1.897119985	0.762140052	0.0383	0.029189964
BKSB119	-2.525728644	6.37930518	-1.897119985	0.628608659	0.0296	0.018606816
BKSB120	-2.525728644	6.37930518	-2.120263536	0.405465108	0.0211	0.008555314
BKSB121	-2.207274913	4.87206254	-2.207274913	0	0.0126	0
BKSB122	-2.207274913	4.87206254	-2.207274913	0	0.0042	0
BKSB123	-2.207274913	4.87206254	-2.207274913	0	0	0
BKSB124	-2.207274913	4.87206254	-2.207274913	0	0	0
BKSB125	-2.120263536	4.49551746	-2.525728644	-0.405465108		
BKSB126	-1.897119985	3.59906424	-2.525728644	-0.628608659	Sum of b=	5.896360202
BKSB127	-1.897119985	3.59906424	-2.659260037	-0.762140052		
BKSB128	-1.832581464	3.35835482	-2.659260037	-0.826678573	W=	0.941776836
BKSB129	-1.771956842	3.13983105	-2.659260037	-0.887303195	W(0.05,44)=	0.944
BKSB130	-1.714798428	2.94053365	-2.813410717	-1.098612289		
BKSB131	-1.714798428	2.94053365	-2.813410717	-1.098612289		
BKSB132	-1.714798428	2.94053365	-2.813410717	-1.098612289		
BKSB133	-1.660731207	2.75802814	-2.813410717	-1.15267951		
BKSB134	-1.609437912	2.59029039	-2.813410717	-1.203972804		
BKSB135	-1.609437912	2.59029039	-2.995732274	-1.386294361		
BKSB136	-1.609437912	2.59029039	-2.995732274	-1.386294361		
BKSB137	-1.609437912	2.59029039	-3.688879454	-2.079441542		
BKSB138	-1.609437912	2.59029039	-3.688879454	-2.079441542		
BKSB139	-1.560647748	2.43562139	-3.688879454	-2.128231706		
BKSB140	-1.30933332	1.71435374	-3.912023005	-2.602689685		
BKSB141	-1.237874356	1.53233292	-3.912023005	-2.674148649		
BKSB142	-1.049822124	1.10212649	-3.912023005	-2.862200881		
BKSB143	-0.798507696	0.63761454	-3.912023005	-3.113515309		
BKSB144	-0.235722334	0.05556502	-3.912023005	-3.676300672		
Sum of xi	-103.106874					
Mean	-2.343338046					
n=	44					
sum of xi^2	278.5307172					
1/n=	0.022727273					
xi=(sum xi)^2	10631.02747					
d=	36.91645655					
W=	0.941776836					
W(0.05,44)=	0.944					
W<W(0.5,44), the distribution is approximately lognormal						

Shapiro Wilk Chromium

smpl_id	Chromium	Ordered Conc. x(i)	Reverse Ordered x(n- i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	5.1	0.93	23.6	22.67	0.3872	8.777824
BKSB102	10.3	1.2	20.3	19.1	0.2667	5.09397
BKSB103	10.1	1.8	16.6	14.8	0.2323	3.43804
BKSB104	3.1	2.1	16.1	14	0.2072	2.9008
BKSB105	4	2.2	12.9	10.7	0.1868	1.99876
BKSB106	7.6	2.7	12.2	9.5	0.1695	1.61025
BKSB107	5.1	3.1	11.1	8	0.1542	1.2336
BKSB108	12.9	3.7	10.3	6.6	0.1405	0.9273
BKSB109	6.5	4	10.1	6.1	0.1278	0.77958
BKSB110	16.6	4	8.9	4.9	0.116	0.5684
BKSB111	6.2	4.3	8.5	4.2	0.1049	0.44058
BKSB112	4	4.6	8.4	3.8	0.0943	0.35834
BKSB113	8.9	4.9	8.4	3.5	0.0842	0.2947
BKSB114	20.3	4.9	8.30	3.4	0.0745	0.2533
BKSB115	7.3	5.1	8.1	3	0.0651	0.1953
BKSB116	2.7	5.1	7.7	2.6	0.056	0.1456
BKSB117	5.7	5.1	7.6	2.5	0.0471	0.11775
BKSB118	2.2	5.5	7.3	1.8	0.0383	0.06894
BKSB119	2.1	5.7	7.2	1.5	0.0296	0.0444
BKSB120	0.93	5.9	6.5	0.6	0.0211	0.01266
BKSB121	6.3	6.1	6.5	0.4	0.0126	0.00504
BKSB122	4.9	6.2	6.3	0.1	0.0042	0.00042
BKSB123	4.3	6.3	6.2	-0.1	0	0
BKSB124	7.2	6.5	6.1	-0.4	0.0037	-0.00148
BKSB125	5.1	6.5	5.9	-0.6	Sum of b=	29.264074
BKSB126	5.5	7.2	5.7	-1.5		
BKSB127	3.7	7.3	5.5	-1.8	W=	0.87100033
BKSB128	8.5	7.6	5.1	-2.5	W(0.05,45)=	0.945
BKSB129	4.6	7.7	5.1	-2.6		
BKSB130	1.8	8.1	5.1	-3		
BKSB131	7.7	8.30	4.9	-3.4		
BKSB132	5.9	8.4	4.9	-3.5		
BKSB133	4.9	8.4	4.6	-3.8		
BKSB134	1.2	8.5	4.3	-4.2		
BKSB135	6.1	8.9	4	-4.9		
BKSB136	8.30	10.1	4	-6.1		
BKSB137	8.1	10.3	3.7	-6.6		
BKSB138	11.1	11.1	3.1	-8		
BKSB139	8.4	12.2	2.7	-9.5		
BKSB140	16.1	12.9	2.2	-10.7		
BKSB141	23.6	16.1	2.1	-14		
BKSB142	8.4	16.6	1.8	-14.8		
BKSB143	12.2	20.3	1.2	-19.1		
BKSB144	6.5	23.6	0.93	-22.67		
Sum of x <sub>i</sub>	322.03					
Mean	7.318863636					
n=	44					
sum of x <sub>i</sub> <sup>2</sup>	3340.1149					
1/n=	0.022727273					
x <sub>i</sub> =(sum x <sub>i</sub> ) <sup>2</sup>	103703.3209					
d=	983.2212432					
W=	0.87100033					
W(0.05,44)=	0.944					
W<W(0.5,45), the distribution is not normal						

Shapiro Wilk Chromium

smpl id	ln of ordered Conc. x(i)	ln(xi)^2	ln of Reverse Order x(n-i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	-0.072570693	0.005266505	3.161246712	3.233817405	0.3872	1.252134099
BKSB102	0.182321557	0.03324115	3.010620886	2.828299329	0.2667	0.754307431
BKSB103	0.587786665	0.345493163	2.809402695	2.22161603	0.2323	0.516081404
BKSB104	0.741937345	0.550471024	2.778819272	2.036881927	0.2072	0.422041935
BKSB105	0.78845736	0.621665009	2.557227311	1.768769951	0.1868	0.330406227
BKSB106	0.993251773	0.986549085	2.501435952	1.508184179	0.1695	0.255637218
BKSB107	1.131402111	1.280070738	2.406945108	1.275542997	0.1542	0.19668873
BKSB108	1.30833282	1.711734767	2.332143895	1.023811076	0.1405	0.143845456
BKSB109	1.386294361	1.921812056	2.312535424	0.926241063	0.1278	0.118373608
BKSB110	1.386294361	1.921812056	2.186051277	0.799756916	0.116	0.092771802
BKSB111	1.458615023	2.127557784	2.140066163	0.681451141	0.1049	0.071484225
BKSB112	1.526056303	2.328847841	2.128231706	0.602175402	0.0943	0.05678514
BKSB113	1.589235205	2.525668537	2.128231706	0.538996501	0.0842	0.045383505
BKSB114	1.589235205	2.525668537	2.116255515	0.52702031	0.0745	0.039263013
BKSB115	1.62924054	2.654424736	2.091864062	0.462623522	0.0651	0.030116791
BKSB116	1.62924054	2.654424736	2.041220329	0.411979789	0.056	0.023070868
BKSB117	1.62924054	2.654424736	2.028148247	0.398907708	0.0471	0.018788553
BKSB118	1.704748092	2.906166058	1.987874348	0.283126256	0.0383	0.010843736
BKSB119	1.740466175	3.029222506	1.974081026	0.233614851	0.0296	0.006915
BKSB120	1.774952351	3.150455848	1.871802177	0.096849826	0.0211	0.002043531
BKSB121	1.808288771	3.26990828	1.871802177	0.063513406	0.0126	0.000800269
BKSB122	1.824549292	3.328980119	1.840549633	0.016000341	0.0042	6.72014E-05
BKSB123	1.840549633	3.387622953	1.824549292	-0.016000341	0	0
BKSB124	1.871802177	3.503643389	1.808288771	-0.063513406		0
BKSB125	1.871802177	3.503643389	1.774952351	-0.096849826	Sum of b=	4.387849744
BKSB126	1.974081026	3.896995897	1.740466175	-0.233614851	W=	0.96653268
BKSB127	1.987874348	3.951644424	1.704748092	-0.283126256	W(0.05,45)=	0.945
BKSB128	2.028148247	4.113385313	1.62924054	-0.398907708		
BKSB129	2.041220329	4.166580431	1.62924054	-0.411979789		
BKSB130	2.091864062	4.375895253	1.62924054	-0.462623522		
BKSB131	2.116255515	4.478537404	1.589235205	-0.52702031		
BKSB132	2.128231706	4.529370194	1.589235205	-0.538996501		
BKSB133	2.128231706	4.529370194	1.526056303	-0.602175402		
BKSB134	2.140066163	4.579883184	1.458615023	-0.681451141		
BKSB135	2.186051277	4.778820185	1.386294361	-0.799756916		
BKSB136	2.312535424	5.347820087	1.386294361	-0.926241063		
BKSB137	2.332143895	5.793384754	1.30833282	-1.023811076		
BKSB138	2.406945108	6.257181821	1.131402111	-1.275542997		
BKSB139	2.501435952	6.539411522	0.993251773	-1.508184179		
BKSB140	2.557227311	7.721836546	0.78845736	-1.768769951		
BKSB141	2.778819272	7.892743505	0.741937345	-2.036881927		
BKSB142	2.809402695	9.06383812	0.587786665	-2.22161603		
BKSB143	3.010620886	9.993480774	0.182321557	-2.828299329		
BKSB144	3.161246712	#REF!	-0.072570693	-3.233817405		
Sum of x <sub>i</sub>	78.61393132					
Mean	1.786680257					
n=	44					
sum of x <sub>i</sub> <sup>2</sup>	160.3778498					
1/n=	0.022727273					
x <sub>i</sub> -(sum xi) <sup>2</sup>	6180.150197					
d=	19.91989073					
W=	0.96653268					
W(0.05,44)=	0.944					
W>W(0.5,44), the distribution is lognormal						

Shapiro Wilk for Lead

smpl_id	Lead	Ordered Conc. x(i)	Reverse Ordered x(n- i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	6	0.72	33.2	32.48	0.3872	12.576256
BKSB102	5	1.3	12.1	10.8	0.2667	2.88036
BKSB103	9.5	1.5	10.2	8.7	0.2323	2.02101
BKSB104	5.3	1.5	10.1	8.6	0.2072	1.78192
BKSB105	3.9	1.7	9.8	8.1	0.1868	1.51308
BKSB106	5	2.3	9.5	7.2	0.1695	1.2204
BKSB107	6.1	2.3	8.3	6	0.1542	0.9252
BKSB108	9.8	2.5	7.8	5.3	0.1405	0.74465
BKSB109	3.2	3.00	7.8	4.8	0.1278	0.61344
BKSB110	7.8	3.1	7.7	4.6	0.116	0.5336
BKSB111	5.3	3.2	7.5	4.3	0.1049	0.45107
BKSB112	1.5	3.6	6.6	3	0.0943	0.2829
BKSB113	6	3.7	6.3	2.6	0.0842	0.21892
BKSB114	7.7	3.8	6.1	2.3	0.0745	0.17135
BKSB115	5.1	3.8	6	2.2	0.0651	0.14322
BKSB116	5.6	3.9	6	2.1	0.056	0.1176
BKSB117	8.3	4	5.6	1.6	0.0471	0.07536
BKSB118	3.7	4.1	5.3	1.2	0.0383	0.04596
BKSB119	1.3	4.1	5.3	1.2	0.0296	0.03552
BKSB120	0.72	4.1	5.1	1	0.0211	0.0211
BKSB121	10.2	4.5	5	0.5	0.0126	0.0063
BKSB122	4.1	5	5	0	0.0042	0
BKSB123	3.8	5	5	0	0	0
BKSB124	4.5	5	4.5	-0.5		0
BKSB125	1.7	5.1	4.1	-1		
BKSB126	1.5	5.3	4.1	-1.2	Sum of b=	26.379216
BKSB127	3.8	5.3	4.1	-1.2		
BKSB128	7.5	5.6	4	-1.6	W=	0.64773337
BKSB129	4.1	6	3.9	-2.1	W(0.05,45)=	0.945
BKSB130	3.1	6	3.8	-2.2		
BKSB131	10.1	6.1	3.8	-2.3		
BKSB132	7.8	6.3	3.7	-2.6		
BKSB133	6.3	6.6	3.6	-3		
BKSB134	2.3	7.5	3.2	-4.3		
BKSB135	2.5	7.7	3.1	-4.6		
BKSB136	3.00	7.8	3.00	-4.8		
BKSB137	2.3	7.8	2.5	-5.3		
BKSB138	4.1	8.3	2.3	-6		
BKSB139	3.6	9.5	2.3	-7.2		
BKSB140	33.2	9.8	1.7	-8.1		
BKSB141	12.1	10.1	1.5	-8.6		
BKSB142	5	10.2	1.5	-8.7		
BKSB143	6.6	12.1	1.3	-10.8		
BKSB144	4	33.2	0.72	-32.48		
Sum of xi	254.02					
Mean	5.7731818					
n=	44					
sum of xi^2	2540.8084					
1/n=	0.0227273					
xi=(sum xi)^2	64526.16					
d=	1074.3048					
W=	0.6477334					
W(0.05,44)=	0.944					
W<W(0.5,44), the distribution is not normal						

Shapiro Wilk for Lead

smpl_id	ln of ordered Conc. x(i)	ln(xi)^2	ln of Reverse Order x(n-i+1)	Difference x(n- i+1)-x(i)	a(n-i+1)	b(i)
BKSB101	-0.328504067	0.107914922	3.502549876	3.831053943	0.3872	1.483384087
BKSB102	0.262364264	0.068835007	2.493205453	2.230841188	0.2667	0.594965345
BKSB103	0.405465108	0.164401954	2.32238772	1.916922612	0.2323	0.445301123
BKSB104	0.405465108	0.164401954	2.312535424	1.907070316	0.2072	0.395144969
BKSB105	0.530628251	0.281566341	2.282382386	1.751754135	0.1868	0.327227672
BKSB106	0.832909123	0.693737607	2.251291799	1.418382676	0.1695	0.240415864
BKSB107	0.832909123	0.693737607	2.116255515	1.283346392	0.1542	0.197892014
BKSB108	0.916290732	0.839588705	2.054123734	1.137833002	0.1405	0.159865537
BKSB109	1.098612289	1.206948961	2.054123734	0.955511445	0.1278	0.122114363
BKSB110	1.131402111	1.280070738	2.041220329	0.909818217	0.116	0.105538913
BKSB111	1.16315081	1.352919806	2.014903021	0.851752211	0.1049	0.089348807
BKSB112	1.280933845	1.640791516	1.887069649	0.606135804	0.0943	0.057158606
BKSB113	1.30833282	1.711734767	1.840549633	0.532216814	0.0842	0.044812656
BKSB114	1.335001067	1.782227848	1.808288771	0.473287704	0.0745	0.035259934
BKSB115	1.335001067	1.782227848	1.791759469	0.456758402	0.0651	0.029734972
BKSB116	1.360976553	1.852257178	1.791759469	0.430782916	0.056	0.024123843
BKSB117	1.386294361	1.921812056	1.722766598	0.336472237	0.0471	0.015847842
BKSB118	1.410986974	1.99088424	1.667706821	0.256719847	0.0383	0.00983237
BKSB119	1.410986974	1.99088424	1.667706821	0.256719847	0.0296	0.007598907
BKSB120	1.410986974	1.99088424	1.62924054	0.218253566	0.0211	0.00460515
BKSB121	1.504077397	2.262248815	1.609437912	0.105360516	0.0126	0.001327542
BKSB122	1.609437912	2.590290394	1.609437912	0	0.0042	0
BKSB123	1.609437912	2.590290394	1.609437912	0		0
BKSB124	1.609437912	2.590290394	1.504077397	-0.105360516		0
BKSB125	1.62924054	2.654424736	1.410986974	-0.218253566		
BKSB126	1.667706821	2.781246039	1.410986974	-0.256719847	Sum of b=	4.391500517
BKSB127	1.667706821	2.781246039	1.410986974	-0.256719847		
BKSB128	1.722766598	2.96792475	1.386294361	-0.336472237	W(ln)=	0.975368151
BKSB129	1.791759469	3.210401996	1.360976553	-0.430782916		
BKSB130	1.791759469	3.210401996	1.335001067	-0.456758402	W(0.05,44)=	0.944
BKSB131	1.808288771	3.26990828	1.335001067	-0.473287704		
BKSB132	1.840549633	3.387622953	1.30833282	-0.532216814		
BKSB133	1.887069649	3.56103186	1.280933845	-0.606135804		
BKSB134	2.014903021	4.059834182	1.16315081	-0.851752211		
BKSB135	2.041220329	4.166580431	1.131402111	-0.909818217		
BKSB136	2.054123734	4.219424313	1.098612289	-0.955511445		
BKSB137	2.054123734	4.219424313	0.916290732	-1.137833002		
BKSB138	2.116255515	4.478537404	0.832909123	-1.283346392		
BKSB139	2.251291799	5.068314762	0.832909123	-1.418382676		
BKSB140	2.282382386	5.209269354	0.530628251	-1.751754135		
BKSB141	2.312535424	5.347820087	0.405465108	-1.907070316		
BKSB142	2.32238772	5.393484723	0.405465108	-1.916922612		
BKSB143	2.493205453	6.216073429	0.262364264	-2.230841188		
BKSB144	3.502549876	12.26785563	-0.328504067	-3.831053943		
Sum of xi	67.07441138					
Mean	1.52441844					
n=	44					
sum of xi^2	122.0217748					
1/n=	0.022727273					
xi=(sum xi)^2	4498.976662					
d=	19.77230523					
W(ln)=	0.975368151					
W(0.05,44)=	0.944					
W>W(0.5,44), the distribution is lognormal						

**APPENDIX F**

**FH-008 Screening Results**

**Summary of Detected Analytical Results, Detection Limits, and Screening Criteria for FH-008 Samples**

Location	Sample ID	Depth	Parameter	Results	Detection Limit	Units	Screening Criteria	Screening Value	Units
SB101	08SB106	0.0-1.0	Lead	3.2 J	0.20	mg/kg	Soil Background	19	mg/kg
SB101	08SB106	0.0-1.0	Arsenic	4.6 J	0.35	mg/kg	Soil Background	9.2	mg/kg
SB101	08SB106	0.0-1.0	Barium	11.5	0.07	mg/kg	Soil Background	157.3	mg/kg
SB101	08SB106	0.0-1.0	Chromium	4.6 J	0.08	mg/kg	Soil Background	24.9	mg/kg
SB101	08SB107	8.0-9.0	Lead	1 J	0.20	mg/kg	Soil Background	19	mg/kg
SB101	08SB107	8.0-9.0	Arsenic	1.6 J	0.34	mg/kg	Soil Background	9.2	mg/kg
SB101	08SB107	8.0-9.0	Barium	14.4	0.07	mg/kg	Soil Background	157.3	mg/kg
SB101	08SB107	8.0-9.0	Cadmium	0.08	0.05	mg/kg	Soil Background	0.67	mg/kg
SB101	08SB107	8.0-9.0	Chromium	3.8 J	0.08	mg/kg	Soil Background	24.9	mg/kg
SB103	08SB101	0.0-1.0	Lead	1.8	0.16	mg/kg	Soil Background	19	mg/kg
SB103	08SB101	0.0-1.0	Arsenic	4.7	0.37	mg/kg	Soil Background	9.2	mg/kg
SB103	08SB101	0.0-1.0	Barium	8.1	0.09	mg/kg	Soil Background	157.3	mg/kg
SB103	08SB101	0.0-1.0	Cadmium	0.1	0.04	mg/kg	Soil Background	0.67	mg/kg
SB103	08SB101	0.0-1.0	Chromium	4.4	0.09	mg/kg	Soil Background	24.9	mg/kg
SB103	08SB102	11.0-11.5	Lead	2.3	0.15	mg/kg	Soil Background	19	mg/kg
SB103	08SB102	11.0-11.5	Arsenic	3.3	0.36	mg/kg	Soil Background	9.2	mg/kg
SB103	08SB102	11.0-11.5	Barium	27.5	0.09	mg/kg	Soil Background	157.3	mg/kg
SB103	08SB102	11.0-11.5	Cadmium	0.16	0.04	mg/kg	Soil Background	0.67	mg/kg
SB103	08SB102	11.0-11.5	Chromium	3.2	0.09	mg/kg	Soil Background	24.9	mg/kg
SB104	08SB104	0.5-1.0	Lead	2.9	0.16	mg/kg	Soil Background	19	mg/kg
SB104	08SB104	0.5-1.0	Arsenic	5.3	0.37	mg/kg	Soil Background	9.2	mg/kg
SB104	08SB104	0.5-1.0	Barium	11.4	0.09	mg/kg	Soil Background	157.3	mg/kg
SB104	08SB104	0.5-1.0	Cadmium	0.14	0.04	mg/kg	Soil Background	0.67	mg/kg
SB104	08SB104	0.5-1.0	Chromium	6.3	0.09	mg/kg	Soil Background	24.9	mg/kg
SB104	08SB105	8.5-9.0	Toluene	0.0110	0.0050	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg
SB104	08SB105	8.5-9.0	Lead	1.7	0.15	mg/kg	Soil Background	19	mg/kg
SB104	08SB105	8.5-9.0	Arsenic	2.5	0.35	mg/kg	Soil Background	9.2	mg/kg

**Summary of Detected Analytical Results, Detection Limits, and Screening Criteria for FH-008 Samples**

<b>Location</b>	<b>Sample ID</b>	<b>Depth</b>	<b>Parameter</b>	<b>Results</b>	<b>Detection Limit</b>	<b>Units</b>	<b>Screening Criteria</b>	<b>Screening Value</b>	<b>Units</b>
SB104	08SB105	8.5-9.0	Barium	6.3	0.09	mg/kg	Soil Background	157.3	mg/kg
SB104	08SB105	8.5-9.0	Cadmium	0.09	0.04	mg/kg	Soil Background	0.67	mg/kg
SB104	08SB105	8.5-9.0	Chromium	3.3	0.09	mg/kg	Soil Background	24.9	mg/kg
SB105	08SB103	0.5-1.0	Toluene	0.0220	0.0050	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg
SB105	08SB103	0.5-1.0	Acetone	0.0940	0.0050	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
SB105	08SB103	0.5-1.0	Lead	4.6	0.15	mg/kg	Soil Background	19	mg/kg
SB105	08SB103	0.5-1.0	Arsenic	4.9	0.36	mg/kg	Soil Background	9.2	mg/kg
SB105	08SB103	0.5-1.0	Barium	25.6	0.09	mg/kg	Soil Background	157.3	mg/kg
SB105	08SB103	0.5-1.0	Cadmium	0.2	0.04	mg/kg	Soil Background	0.67	mg/kg
SB105	08SB103	0.5-1.0	Chromium	7.8	0.09	mg/kg	Soil Background	24.9	mg/kg
SB105	08SB103	0.5-1.0	Methylene Chloride	0.0210	0.0050	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg