RCRA Facility Investigation Report
For
Site FH-004 (Abandoned Sanitary Landfill 4)

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ACRONYMS

AA	Atomic Absorption
BEG	Bureau of Economic Geology
BGS	Below Ground Surface
CDAP	Chemical Data Acquisition Plan
CQAR	Chemical Quality Assessment Report
DPW	Directorate of Public Works
DQO	Data Quality Objective
EM	Electromagnetic
ft	Feet or Foot
GC/MS	Gas Chromatography/Mass Spectrometry
ICP	Inductively Coupled Plasma
IDW	Investigation Derived Waste
LCS	Laboratory Control Samples
MCL	Maximum Contaminant Level
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
SVOC	Semivolatile Organic Compound
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
VOC	Volatile Organic Compound

EXECUTIVE SUMMARY

This report describes the collection and analysis of data from Solid Waste Management Unit (SWMU) FH-004 (Abandoned Sanitary Landfill 4), one of the 35 SWMUs investigated during the RCRA Facility Investigation (RFI) conducted at Fort Hood, Texas during November 1996 through March 1997. Additional investigation at this unit was conducted in April through June 1998. SWMU FH-004, approximately 12 acres in size, was a trench-type landfill primarily used for rubble disposal, as well as disposal of municipal solid wastes. The landfill reportedly operated from 1972 to 1974 and the trench method of disposal was reportedly used throughout the operational life of the facility. The primary objective of investigation at FH-004 was to characterize the material in the landfill and to determine if a release to the environment has occurred due to the presence of waste materials within the landfill.

Data has been evaluated using the screening process according to guidance in the Texas Natural Resources Conservation Commission (TNRCC) Risk Reduction Standards [RRS (TAC 335 Subchapter S)], to determine if further action is needed to address environmental conditions at FH-004. The RRS Number 1 screen compares sample results either to facility-wide background criteria or analytical practical quantitation limits (PQLs). The RRS Number 2 screen compares the analytical results that exceed the RRS Number 1 values to health-based standards that are considered protective of human health and the environment.

Soil and groundwater sampling was performed at FH-004 during installation of borings and piezometers. A review of the boring logs indicates the landfill is on top of bedrock. Geophysical survey results and visual observations of the site delineate the physical boundary of the landfill. Precipitation has accumulated on the surface and infiltrated the landfill. The water that was collected inside the landfill was from perched water zones rather than from a groundwater aquifer.

Results of FH-004 surface and subsurface soil analysis inside the landfill indicated random and low detections of cadmium and lead that exceeded the 95% upper tolerance limit (UTL) background concentrations for these metals. However, the detected values of lead and cadmium above the 95% UTL were below the maximum detected concentrations in background soils. Soil samples taken outside of the FH-004 landfill in 1998 to determine potential migration from the landfill indicated that no contaminants were present in concentrations exceeding background.

Within the boundary of the FH-004 landfill, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, n-propylbenzene, and bis(2-ethylhexyl)phthalate were detected above screening criteria in groundwater, however, these parameters were not detected in the groundwater samples collected outside of the FH-004 landfill. In fact, there were no detections of contaminants above the screening criteria in either soil or groundwater collected outside of the FH-004 landfill.

Constituents detected above PQLs within the landfill are typical of the expected landfill debris, the levels of detected constituents pose no threat to human health and the environment, and there has been no evidence identified which indicates constituents found within the boundary of the landfill have migrated outside of landfill. The potential for migration of constituents detected above background and/or screening criteria in soil and groundwater within the FH-004 landfill can be considered low because these constituents were detected at relatively low and infrequent concentrations in both the soil and groundwater of FH-004.

The unit is operating as intended, and no further action is necessary. Fort Hood will continue to ensure that FH-004 is maintained and managed in a manner that does not compromise the integrity of the landfill and does not have an adverse impact on the surrounding area.

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-004 (Abandoned Sanitary Landfill 4), one of the 35 SWMUs investigated during the RFI conducted November 1996 through March 1997. Additional investigation at this unit was conducted in April through June 1998. SWMU FH-004 is located approximately 1000 feet northwest of SWMU FH-005 and about 3,000 feet north-northwest of the intersection of Turkey Run Road and Cedar Creek Road.

1.1 BACKGROUND

SWMU FH-004, approximately 12 acres in size, was a trench-type landfill primarily used for rubble disposal, as well as disposal of municipal solid wastes. The trench method of disposal was reportedly used throughout the operational life of the facility. The landfill reportedly operated from 1972 to 1974 and was covered with approximately 6 inches of top soil when it was closed. The landfill area has settled since closure, with the outlines of most trenches still visible. The site is completely undeveloped and is covered by grasses and small scrub brush. A gravel/rock quarry (or borrow area) is located to the north and adjacent to this SWMU. Immediately to the south and parallel to the southern edge of SWMU FH-004 is a drainage ditch. No evidence of a seep associated with this landfill has been observed. This SWMU is located within a safety zone for an ammunition holding area approximately 1,000 feet northeast of the unit.

1.2 SCOPE AND OBJECTIVES

The primary objective of investigation at FH-004 was to characterize the material in the landfill and to determine if a release to the environment has occurred due to the presence of waste materials within the landfill. Sampling for the RFI focused on determining the concentrations of heavy metals and organics. The specific objectives of the investigation at this SWMU were as follows:

- determine the presence or absence of contaminants in the soils at the landfill;
- determine the lateral boundaries of the landfill and the vertical and lateral extent of soil contamination at the landfill, where practicable;
- determine if groundwater is present below the landfill and if present, determine if the groundwater is contaminated;
- characterize the migration potential of any contaminants identified in the soils beneath the landfill;
- obtain information about the local geological conditions at the landfill;
- 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-004.

The approach to the RFI included field sampling and laboratory analysis of surface and subsurface soils, and groundwater at the SWMU. In addition, geophysical surveys were conducted at FH-004 to further delineate the lateral extent of the landfill. The initial sampling and analysis program was conducted in accordance with the RCRA Facility Investigation Work Plan, 35 Solid Waste Management Units, Fort Hood, Texas (RFI Work Plan [U.S. Army Corps of Engineers (USACE) 1995]). Additional sampling and analysis was performed in 1998 in accordance with approved Work Plan Modifications (approval letter from the Texas Natural Resource Conservation Commission [TNRCC] dated April 21, 1998).

Initial sampling of landfill units in 1997 at Fort Hood was conducted during a period of unusually high precipitation. It was documented at that time that these landfill units were either saturated or contained areas of perched water. Due to geologic conditions such as shallow bedrock typically found at sites throughout Fort Hood, the base of the landfill rests on the bedrock surface, and presents the question of what happens to the water contained within the landfills. To address this question, piezometers were installed around the landfill units. Initially, five piezometers were to be installed around the boundary of FH-004. Based on further evaluation, it was decided that no more than three piezometers should be installed at each SWMU prior to assessing the need for additional piezometers. Placement of piezometers was based on bedrock conditions and the depth at which water was encountered. Using this approach, two unconsolidated piezometers and one bedrock piezometer were installed at FH-004 to evaluate the groundwater flow above bedrock versus the groundwater flow in the bedrock, respectively.

2.0 ENVIRONMENTAL SETTING

The material presented in this section describes the physical characteristics of SWMU FH-004 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 feet (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). Elevations at SWMU FH-004 range from approximately 845 ft above msl at the southwestern edge of the site to 880 ft above msl at the northeastern edge of the site.

The rivers, streams, and creeks that constitute the main surface water pathways at Fort Hood are shown on Figure 1.2. Fort Hood lies along a watershed divide between Belton Lake drainage basin and the Leon River. 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 SWMU FH-004 and it's 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 (Bureau of Economic Geology [BEG] 1979). The Walnut Formation is estimated to be approximately 50 ft thick at SWMUs FH-004. 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 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. During the April 1998 Investigation differentiation between the unconsolidated soil and the underlying bedrock was made by the difference in color. During the previous field investigation it had been noted that the uppermost tan colored limestone and gravelly silty clays were more weathered than the underlying blue-gray limestone/limey-shales. It was ascertained that the tan color is evidence of the weathering processes occurring close to the surface of the ground. In the FH-004 vicinity the unconsolidated tan soil ranged in thickness from 9 to 20 ft. In upland areas, these unconsolidated soils consisted of silty clay with abundant rock fragments (weathered fossiliferous limestone and chert nodules) with weathered laminations of shale and limestone. In general, these soils have low permeabilities (U.S. Department of Agriculture [USDA] 1985a,b). 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 degrees Fahrenheit (°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^{o} 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 1996b). Snowfall is rare. The average annual humidity in the region is 55 percent. Total rainfall for 1996 at Fort Hood was 26.7 inches. Severe weather in the form of heavy rain, hailstorms, and ice storms is common in the winter months.

3.0 UNIT CHARACTERIZATION

SWMU FH-004 is an abandoned sanitary landfill that has been covered with native soil. The surface area of the landfill is vegetated with grass and slopes to the west towards Clear Creek that drains the site. SWMU FH-004 is approximately 12 acres in size. The trench method of disposal was reportedly used throughout the operational life of the facility. The landfill reportedly operated from 1972 to 1974. A review of the boring logs indicate the landfill is on top of bedrock, which is a typical geologic condition (shallow bedrock) at sites throughout Fort Hood. Visual observation of the area indicates that the surface soil has settled since closure and the outlines of some trenches are visible. Precipitation has accumulated on the surface and infiltrated the landfill. Water samples that were collected from locations within the landfill boundary were from perched water zones rather than from a groundwater aquifer.

FH-004 reportedly contains primarily concrete rubble (construction/demolition debris), as well as municipal solid wastes. The municipal solid wastes include wastes from residential households, commercial facilities, and light industrial facilities. Specific types of debris identified during drilling activities at FH-004 and identified on soil boring logs (see Appendix A) include trash, paper, plastic, glass and wood. The landfill was constructed in native soil without an adequate liner (USACE 1995), which was the typical of the construction of similar landfill units at Fort Hood during that era. Prior to this RFI no investigations had been performed at this landfill to characterize the material in the landfill or determine if there has been a release of hazardous waste from the landfill. Photographs of the site were taken in March 1997 and are presented in Figure 3.1.

3.1 GEOPHYSICAL CHARACTERIZATION

To more accurately delineate the lateral extent of Landfill FH-004, geophysical investigations were performed at this SWMU during January and February of 1997. An electromagnetic terrain conductivity (EM) survey was conducted at the unit. EM is an induction method of evaluating the electrical properties of the subsurface. Induction methods require no intrusive activities and are conducted using appropriately sized high frequency transmitters and receivers. This technique is well suited for conducting regional and/or reconnaissance type surveys to delineate areas warranting further investigation. A complete summary of investigative results including additional information concerning the EM methodology used during this investigation are presented in Appendix B.

The EM survey parameters included measurements every 15 feet inline with traverse spacing varying between 15 and 30 feet. The EM survey was conducted in both the horizontal and vertical dipole modes to provide a more qualitative comparison between shallow (0 B 10 feet below ground surface [BGS]) and deep (0-18 feet BGS) EM responses. EM contour maps are included in Appendix B. The horizontal and vertical plots correlate quite well. The minor variation in response is most likely related to the different depth of investigation. After reviewing the quadrature phase data, it appears that background response for the vertical mode is less than 50 mS/m while the horizontal mode is less than 40 mS/m. Measurements above these thresholds are interpreted to be related to more conductive landfill material.

The perimeter of elevated in-phase response is similar to that of the quadrature data maps. However, distinct linear north to south anomalies are observed and are most prevalent on the vertical in-phase data map and can also found on the vertical quadrature data map. These may be interpreted to be a result of trenched waste pits. The in-phase response is influenced by metal, therefore, it can be interpreted that these areas contain a higher concentration of buried metal or represent the fill/cover patterns during placement.

The overall limits of Landfill FH-004 are best highlighted using the horizontal dipole quadrature and vertical dipole in-phase data maps (see Appendix B). Individual waste trenches are best illustrated using the vertical

dipole in-phase and quadrature phase data maps (see Appendix B). Considering this, the interpreted lateral extent of land FH-004 is questionable, particularly near the southern and eastern boundaries of the survey area. In some cases, only one or two data points along the edges of the data map show a background level EM response. This may be interpreted to be the edge of the landfill or non-landfill material between trenches or adjacent cells. However, borings and piezometers that were installed outside the limits of the EM survey area were free of landfill material. The southern edge of the survey area is bounded by a 12-foot deep gully that showed no signs of landfill waste. In addition, it was noted that the area outside the EM31 survey area had different ground cover and brush and showed no signs of settling. Considering these observations, it could be inferred that the EM31 survey area encompassed the entire landfill and the lateral extent of the SWMU has been identified. The inferred limits are indicated on the figures included in Appendix B.

4.0 CHARACTERIZATION OF UNIT CONTAMINATION

The following sections describe the results of field activities and analytical procedures performed to achieve site specific objectives defined in Section 1.2 of this report.

4.1 TECHNICAL APPROACH

Both surface (0 - 2 ft BGS) and subsurface soils (> 2 ft BGS) were sampled at FH-004. 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 extent of 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 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-004 direct contact with surface soils is more likely than contact with deeper soils.

Groundwater was sampled from soil borings advanced inside the landfill and from three piezometers outside the boundaries of FH-004 to determine if leaching of contaminants from soils to groundwater has occurred. Placement of the piezometers was based on bedrock conditions and the depth at which water was encountered. Using this approach, two unconsolidated piezometers and one bedrock piezometer were installed at FH-004 to evaluate the groundwater flow above bedrock versus the groundwater flow in the bedrock, respectively. Sample identifications and associated analyses for all soil and groundwater samples collected at FH-004 are summarized in Table 4.1.

4.1.1 Soil Sampling Investigation

The locations of the sampling points at FH-004 are shown in Figure 4.1. All soil borings were drilled using a truck-mounted hollow-stem auger rig. Soil samples were collected using a 5 foot continuous downhole sampling device. Downhole, breathing zone, and headspace organic vapors were monitored during sampling activities. All initial soil sampling, sample handling, chain-of-custody, and other field activities were conducted in February and March 1997 in accordance with the RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995) and the Chemical Data Acquisition Plan (USACE 1997 [CDAP]). During formulation of the RFI Work Plan, it was believed that unconsolidated material existed below the depth of the landfills at Fort Hood. Soil samples were originally to be collected from depths above and below the landfill, but during initial sampling activities, it was discovered that the landfill material rested on bedrock, which prohibited the collection of subsurface soil samples beneath the depth of the landfill. A subsurface sample was collected beneath the depth of the landfill in borings where a sufficient amount of weathered or unconsolidated material was present below the landfill material. Some subsurface soil samples could not be collected due to the lack of recovery in the split spoon, mostly because of the boring being drilled through trash. Soil sampling conducted during installation of piezometers during April 1998 was in accordance with the RFI Work Plan (USACE 1995) and Work Plan Modifications (TNRCC, April 21, 1998). Following sampling activities, all soil borings were closed in accordance with applicable requirements**.**

Eight soil borings (SB101 through SB108) were drilled within the FH-004 landfill limits, and surface and subsurface soils were sampled in February and March 1997 in accordance with the approved Work Plan. Three piezometers (PZ101 through PZ103) were advanced, and surface and subsurface soils and groundwater were sampled in March and April of 1998 to determine if contamination has migrated beyond the horizontal

and vertical boundaries of the landfill. Samples collected from soil borings SB101 through SB108 and the piezometers were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), and metals. The boring logs for FH-004 are provided in Appendix A.

Piezometer PZ101 was drilled outside of and along the eastern side of the landfill. Piezometers PZ102 and PZ103 were drilled along the western edge of FH-004. Blue-gray bedrock was encountered at depths ranging from 12 to 20.5 ft BGS on the eastern edge of the landfill in borings SB101 through SB104 and in piezometer PZ101. Along the western side of the landfill the blue-gray bedrock was encountered at depths ranging from 8 to 15 ft BGS in borings SB105, SB107, and SB108 and in piezometers PZ102 and PZ103. In soil boring SB106, located on the west side of the landfill, the blue-gray bedrock was encountered at a depth of 18 ft. The blue-gray limestone and shale bedrock was overlain by yellow silty clays containing weathered limestone fragments. Landfill debris, including trash, paper, plastic glass, and wood, was encountered in borings SB102, SB103, SB104, SB106, and SB107. Soil borings SB101, SB105, and SB108 were advanced within the landfill limits but no landfill debris was encountered.

4.1.2 Groundwater Sampling

Groundwater samples were collected in February and March 1997 and in April 1998 when groundwater was encountered during installation of soil borings and piezometers. Groundwater samples were also collected in June 1998 from newly installed piezometers. The following sections describe the sampling and analysis of groundwater at SWMU FH-004. Groundwater was collected and analyzed in accordance with the RFI Work Plan (USACE 1995), Work Plan Modifications (TNRCC, April 21, 1998) and CDAP. Upon completion of the RFI, all piezometers will be abandoned in accordance with applicable requirements and abandonment reports will be submitted to the TNRCC.

Groundwater was present in six of the soil borings inside of the landfill at FH-004 (SB101, SB103, SB105 SB106, SB107, and SB108). Groundwater samples were collected from the bottom of each of the six soil borings at depths ranging from of 12 ft BGS (SB107) to 19 ft BGS (SB106). Groundwater was also collected and analyzed from all three piezometers that were located outside the limits of the FH-004 landfill. Piezometers PZ101 and PZ103 were screened in unconsolidated material and piezometer PZ102 was screened in bedrock. PZ101 was installed upgradient of PZ102 and PZ103 to evaluate possible releases to groundwater from the landfill. Groundwater samples were analyzed for VOCs, SVOCs, and metals.

4.2 UNIT INVESTIGATION AND ANALYTICAL RESULTS

Analytical results for soils at SWMU FH-004 are provided in their entirety in Appendix C. Tables 4.2 and 4.3 summarize constituents detected above practical quantitation limits (PQLs) in soil and groundwater, respectively. The constituents detected above PQLs were screened against background and risk-based screening criteria as described in Section 4.3 and Section 5.0.

4.2.1 Surface Soil Analytical Results

All soil analyte results above PQLs are presented in Table 4.2. Inorganic constituents detected above PQLs in surface soils include: arsenic (2.6 J parts per million [ppm] at SB105 to 8.2 ppm at SB106), barium (20.1 J ppm at SB108 to 87.5 J ppm at SB106), cadmium (0.08 ppm at SB105, SB107 and SB108 to 0.16 ppm at SB106), chromium (2.9 J ppm at SB108 to 15.5 J ppm at SB106), lead (3.0 ppm at SB108 to 31.5 J ppm at SB105), and selenium (0.27 ppm at SB106).

VOCs detected above PQLs in surface soils in the FH-004 samples include methylene chloride at a concentration of 8.0 parts per billion (ppb) at SB104. Methylene chloride is a known common laboratory

contaminant, and the low detected concentration of these compounds could be attributed to their detection as artifacts from analytical procedures rather than site conditions. No other VOCs were detected at FH-004 locations in surface soils. No SVOCs were detected in any of the surface soils in FH-004.

4.2.2 Subsurface Soil Analytical Results

Inorganic constituents detected above PQLs in subsurface soils include: arsenic (0.76 J ppm at SB105 to 3.2 J ppm at PZ101), barium (4.9 J ppm at SB108 to 18.2 ppm at PZ101), cadmium (0.05 ppm at PZ102 to 0.72 ppm at SB107), chromium (1.9 J ppm at SB108 to 3.6 J ppm at SB107) and lead (2.8 J ppm at SB105 to 8.5 J ppm at PZ101), selenium (0.29 ppm at PZ101), and silver (0.17 ppm at PZ102).

VOCs detected above PQLs in subsurface soils in the FH-004 samples include: 2-butanone (53 ppb at SB107), acetone (34 ppb at SB107), methylene chloride (9.0 ppb at SB105 to 16.0 at SB104), and naphthalene (32 ppb at SB107). No other VOCs were detected at FH-004 locations in subsurface soils. Bis(2-ethylhexyl)phthalate (1900 ppb at SB107) was the only SVOC detected in any of the subsurface soils in FH-004. All of the organic compounds except naphthalene are known common laboratory contaminants, and the low detected concentrations of these compounds could be attributed to their detection as artifacts from analytical procedures rather than site conditions.

4.2.3 Groundwater Analytical Results

Table 4.3 presents all of the groundwater analytical results above PQLs. Inorganic constituents detected above PQLs in groundwater at FH-004 include: arsenic (2.5 ppb at PZ102 to 19.5 ppb at SB101), barium (57.3 ppb at SB108 to 456 ppb at PZ103), chromium (1.2 ppb at PZ102 and 5.4 J ppb at PZ103), lead (1.3 ppb at PZ102 to 3.9 J ppb at PZ103), mercury (0.16 ppb at PZ102), and selenium (3.3 J ppb at SB106).

VOCs detected above PQLs in groundwater in the FH-004 samples include: 1,2,4,-trimethylbenzene (6.0 ppb at SB107 to 43 ppb at SB106), 1,3,5,-trimethylbenzene (10 ppb at SB106), 1,4-dichlorobenzene (11 ppb at SB105 to 15 ppb at SB107), acetone (18 ppb at SB105 to 69 ppb at SB107), chlorobenzene (12 ppb at SB107 to 22 ppb at SB103), dichlorofluoromethane (29 ppb at SB103), isopropyl benzene (6 ppb in SB106), m,p-xylene (16 ppb at SB103 and 33 ppb at SB106), naphthalene in five soil borings (9 ppb at SB101 to 160 ppb at SB107), n-propylbenzene (7 ppb at SB106) and toluene (86 ppb at SB103). The only SVOC that was detected in any of the groundwater samples in FH-004 was bis(2-ethylhexyl)phthalate (14 ppb at SB107).

4.2.4 Disposition of Investigation Derived Waste (IDW)

All IDW generated during drilling at FH-004 was stored in 55 gallon drums. All drums were clearly identified with the drum's contents, the date they were filled, and the SWMU where the IDW was generated. Drums were staged in the Science Applications International Corporation (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 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. 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.

All solid IDW at FH-004 was placed in thirteen 55-gallon drums and was determined to be non-hazardous. The solid IDW was then 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 and well

development/purge water and was placed in ten 55-gallon drums. Liquid IDW was determined to be 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 4.2. Background soils data and soil boring logs are presented in Appendices D and E, 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 soil samples and selenium in 2 of 40 background 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). 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 4.4. 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, if needed, determines the mean concentration for each metal detected in background samples and compares it against the mean concentrations determined for SWMU analytes. At FH-004 inorganic soil sample results were less than 95 % UTL for all metals except for lead and cadmium. Due to the low number of detections and low concentrations, the mean comparison statistics were not calculated for these metals, however, the detected values of lead and cadmium above the 95% UTL are below the maximum detected concentration in background soils. The flow chart from the Final RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995) that was used for the statistical evaluations is provided in Appendix F. Additionally, Appendix F 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 Table 4.4.

5.0 SOIL SCREENING ANALYSIS

The 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 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-004 to determine whether or not constituents are present at the site at concentrations which may warrant further investigation.

The TNRCC RRSs Number 1are used to determine if there are hazardous constituents at a SWMU that could result from a potential release. Soil sample results were compared to the 95% UTL background concentration levels or PQLs. Background soil levels were determined for eight metals and the results are presented in Section 4.3. Metals detected above background levels and organic constituents above PQLs are considered to be a potential release from the unit. Organic constituents in soils reported above the analytical PQL were then screened against the TNRCC RRSs Number 2 (30 TAC 35 Industrial Soil GWP). Appendix G provides a tabulation of detected results and the screening criteria used for comparison. Tables 5.1 and 5.2 show analytes detected above screening criteria in soil and groundwater, respectively.

5.1 SURFACE SOIL SCREENING

Lead (SB105 at 31.5 ppm) was the only inorganic constituent detected inside of the landfill at FH-004 above the corresponding background level for surface soils. The background screening level for lead in soils is 19 ppm. Because no mean comparison statistics were calculated for lead due to a low number of detections and low concentrations, it is useful to note that the detected value of lead above the 95% UTL is below the maximum detected concentration in background soils (33.2 ppm).

In order to determine if the concentrations of VOCs and SVOCs detected at FH-004 warrant further action, sample results were screened against the TNRCC RRS Number 2 for these constituents. These numerical values are deemed protective of human health and are based on an ingestion of soil and inhalation of particulates and volatiles pathway and a soil-to-groundwater cross-media protection pathway. Organic parameters detected above PQLs in surface soils at FH-004 were presented in Section 4.2.1. Methylene chloride, a common laboratory contaminant, was the only organic constituent detected above PQLs in surface soil at FH-004. The detected value of this compound was below the TNRCC RRS Number 2 screening value. Complete results of the surface soil screening analysis are presented in Table 5.1 and in Appendix G.

5.2 SUBSURFACE SOIL SCREENING

Cadmium was the only inorganic constituent detected at concentrations above its corresponding background level in subsurface soil at FH-004. Cadmium was detected at SB107 (inside landfill) at a concentration of 0.72 ppm. The background screening level for cadmium in subsurface soil is 0.67 ppm. Because no mean comparison statistics were calculated for cadmium due to a low number of detections and low concentrations, it is useful to note that the detected value of cadmium above the 95% UTL is below the maximum detected concentration in background soils (0.79 ppm).

Organic parameters detected above PQLs in subsurface soils at FH-004 were presented in Section 4.2.2. Of these parameters, 2-butanone, acetone, methylene chloride, and bis(2-ethylhexyl)phthalate may be considered possible laboratory contaminants, however, no VOCs or SVOCs were detected in subsurface soils at FH-004 above TNRCC RRSs Number 2 values. Complete results of the subsurface soil screening analysis are presented in Table 5.1 and in Appendix G.

5.3 GROUNDWATER SCREENING

No inorganic constituents were detected at concentrations above the corresponding maximum contaminant levels (MCLs) in groundwater at FH-004. No VOCs were detected above TNRCC RRSs Number 1 and 2 values in groundwater samples collected from inside and outside of the landfill at FH-004. Bis(2-ehthylhexyl)phthalate was the only SVOC detected above TNRCC RRS Number 2 values in groundwater at FH-004. This constituent was detected inside the landfill boundary at SB107 at a concentration of 0.014 ppm, which is slightly above the screening concentration of 0.00608 ppm. At this low detected concentration, the presence of bis(2-ethylhexyl)phthalate is most likely a result of laboratory analytical contamination rather than contamination at FH-004. Results of the groundwater screening analysis are presented in Table 5.2 and Appendix G. The results indicate that there is no risk to human or environmental health.

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 U.S. Environmental Protection Agency (USEPA) SW-846 or other approved procedures for analytical chemistry and physical testing methods were followed for field and laboratory QA/QC of FH-004 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-004 included trip blanks and equipment rinsate blanks. 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-004 data. Concerns included two trip blanks arrived to the laboratory with bubbles larger than 6mm and one trip blank arrived frozen. Other concerns were 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 for a number of analytical parameters including arsenic, cadmium, chromium, lead, selenium, 1,2,4-trichlorobenzene, n-butylbenzene, 1,2,3-trichlorobenzene, bis(2-ethylhexyl)phthalate, 1,1,2,2-tetrachloroethane, and p-isopropyltoluene. The deviations did not lead to rejection or qualification of the data. Based on the CQAR findings, the comparison of the field sample, QC, and QA split sample results agreed, therefore, the data are usable and have met the project data quality objectives (DQOs).

Data QA/QC procedures included an independent data validation of ten percent of the results for compliance of analyses to DQOs. All FH-004 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-004 results.

6.2 INVESTIGATION RESULTS

The quality of the data set for soil and groundwater samples collected at FH-004 meets the objectives of the RFI as described in Section 1.2 of this report. Sixteen soil samples collected from 11 soil locations, as well as 10 groundwater samples collected during drilling activities and from newly installed piezometers, were analyzed according to the Final RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995) and approved Work Plan Modifications (approval letter from the TNRCC dated April 21, 1998). 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. A review of the boring logs indicate the landfill is on top of bedrock and visual observations of the site delineate the physical boundary of the landfill. Precipitation has accumulated on the

surface of the landfill, and infiltrated the landfill. The water that was collected inside the landfill was from perched water zones rather than from a groundwater aquifer.

Based on the results of visual inspection and soil analyses no releases or contamination have migrated outside of the landfill. Soil and groundwater sampling results and visual inspection of landfill debris indicate that the FH-004 landfill contains nothing other than typical sanitary landfill material. The parameters detected in samples collected at FH-004 can come from debris found in municipal solid waste landfills. Although the exact source of these constituents is not known, potential sources may include glass, paper products, plastics or breakdown products of these items.

Results of FH-004 surface and subsurface soil analysis inside of the landfill indicated random and low detected concentrations of cadmium and lead that exceeded the 95% UTL background concentrations for these metals. However, the detected values of lead and cadmium above the 95% UTL were below the maximum detected concentrations in background soils. Soil samples taken outside of the FH-004 landfill boundary in 1998 to determine potential migration from the landfill indicated that no contaminants were present in concentrations exceeding background. The concentration of cadmium that was detected (0.72 ppm) within the boundaries of the landfill were at depth (11.0 ft -12.0 ft) and were slightly above the screening criteria (0.67 ppm). The concentration of lead found inside of the FH-004 landfill was an estimated concentration that slightly exceeded, but not significantly, the background lead criteria.

Within the boundary of the FH-004 landfill only bis(2-ethylhexyl)phthalate was detected above screening criteria in groundwater. There were no detected concentrations of contaminants above the screening criteria in either soil or groundwater collected outside of the FH-004 landfill. In addition, the detected low concentration of bis(2-ethylhexyl)phthalate in groundwater within the landfill is most likely due to the fact that this parameter is a common SVOC laboratory contaminant. Groundwater collected within the landfill was from perched water zones formed by the temporary ponding and subsequent infiltration of precipitation on the landfill surface, rather than from a groundwater aquifer. Therefore, with respect to these investigation results, FH-004 landfill is determined to have typical sanitary landfill materials with no occurrence of migration of contamination from the landfill. The potential for migration of constituents detected above background and/or screening criteria in soil and groundwater within the FH-004 landfill can be considered low because these constituents were detected at relatively low and infrequent concentrations in soil and groundwater at FH-004.

7.0 CONCLUSIONS AND RECOMMENDATIONS

The previous sections have discussed the results of the analyses of samples collected inside and outside the FH-004 landfill. In Section 6.2, a discussion of results indicates that contamination has not migrated from the landfill and that the landfill contains typical sanitary landfill materials. Constituents detected above PQLs within the landfill are typical of the expected landfill debris. The concentrations of detected constituents pose no threat to human health and the environment, and there has been no evidence identified which indicates constituents found within the boundary of the landfill have migrated outside of the landfill. The boring logs show the base of the landfill rests on bedrock. There were no seeps from the landfill and no evidence of fracture in the bedrock. Settling of the landfill over time results in the accumulation of precipitation on the surface of the landfill. Based on the information in this RFI, the water samples collected from inside the landfill are from perched water zones formed by the temporary ponding and subsequent infiltration of precipitation rather than from a groundwater aquifer. In conclusion, the unit is operating as intended and no further action is necessary. Fort Hood should continue to ensure that FH-004 is maintained and managed in a manner that does not compromise the integrity of the landfill and does not have an adverse impact on the surrounding area.

8.0 REFERENCES

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TABLES

FH-004

Table 4.1 FH-004 Sample Identification and Analyses

Station	Sample ID	Matrix	Depth (ft)	Analyses	Date Collected
SB101	04SB111	Soil	0.0-1.0	VOCs, SVOCs, Metals	3/4/97
	FHGW143	Groundwater	---	VOCs, SVOCs, Metals	3/5/97
SB102	04SB112	Soil	0.0-1.0	VOCs, SVOCs, Metals	3/4/97
SB103	04SB113	Soil	0.0-1.0	VOCs, SVOCs, Metals	3/6/97
	FHGW150	Groundwater	---	VOCs, SVOCs, Metals	3/7/97
SB104	04SB108	Soil	0.0-1.0	VOCs, SVOCs, Metals	3/4/97
	04SB109	Soil	15.0-15.5	VOCs, SVOCs, Metals	3/4/97
	04SB110	Soil	18.0-19.0	VOCs, SVOCs, Metals	3/4/97
SB105	04SB106	Soil	0.0-1.0	VOCs, SVOCs, Metals	3/4/97
	04SB107	Soil	15.0-16.0	VOCs, SVOCs, Metals	3/4/97
	FHGW144	Groundwater	---	VOCs, SVOCs, Metals	3/5/97
SB106	04SB101	Soil	0.0-1.0	VOCs, SVOCs, Metals	2/24/97
	FHGW137	Groundwater	---	VOCs, SVOCs, Metals	2/25/97
SB107	04SB104	Soil	0.0-1.0	VOCs, SVOCs, Metals	2/25/97
	04SB105	Soil	11.0-12.0	VOCs, SVOCs, Metals	2/25/97
	FHGW139	Groundwater	---	VOCs, SVOCs, Metals	2/26/97
SB108	04SB102	Soil	0.0-1.0	VOCs, SVOCs, Metals	2/25/97
	04SB103	Soil	14.0-15.0	VOCs, SVOCs, Metals	2/25/97
	FHGW138	Groundwater	---	VOCs, SVOCs, Metals	2/26/97
PZ101	04SB114	Soil	20.0-20.9	VOCs, SVOCs, Metals	4/1/98
	04PZ103	Groundwater	---	VOCs, SVOCs, Metals	6/1/98
PZ102	04SB115	Soil	7.0-8.0	VOCs, SVOCs, Metals	4/1/98
	FHGW169	Groundwater	---	VOCs, SVOCs, Metals	4/8/98
	04PZ102	Groundwater	---	VOCs, SVOCs, Metals	6/1/98
PZ103	04SB116	Soil	10.4-11.4	VOCs, SVOCs, Metals	4/8/98
	04PZ101	Groundwater	---	VOCs, SVOCs, Metals	6/1/98

No subsurface soil sample could be recovered at borings SB101, SB102, SB103, and SB106. Groundwater was collected in borings when encountered.

Table 4.2 FH-004 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
PZ101	04SB114	20.0-20.9	Metals	Arsenic	3.2 J	0.24	mg/kg
				Barium	18.2	0.035	mg/kg
				Chromium	2.6 J	0.12	mg/kg
				Lead	8.5 J	0.1	mg/kg
				Selenium	0.29	0.23	mg/kg
PZ102	04SB115	7.0-8.0	Metals	Arsenic	3 J	0.22	mg/kg
				Barium	5.3	0.031	mg/kg
				Cadmium	0.05	0.031	mg/kg
				Chromium	2.3 J	0.1	mg/kg
				Lead	5.1 J	0.094	mg/kg
				Silver	0.17	0.1	mg/kg
PZ103	04SB116	10.4-11.4	Metals	Arsenic	2.8	0.32	mg/kg
				Barium	6.3	0.06	mg/kg
				Chromium	2.5	0.07	mg/kg
				Lead	4.4	0.19	mg/kg
SB101	04SB111	0.0-1.0	Metals	Arsenic	5.5 J	0.39	mg/kg
				Barium	64.2	0.07	mg/kg
				Cadmium	0.15	0.06	mg/kg
				Chromium	9.7 J	0.09	mg/kg
				Lead	8.8 J	0.22	mg/kg

Table 4.2 FH-004 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB102	04SB112	0.0-1.0	Metals	Arsenic	4.3 J	0.36	mg/kg
				Barium	31.7	0.07	mg/kg
				Cadmium	0.1	0.06	mg/kg
				Chromium	5.3 J	0.08	mg/kg
				Lead	5.8 J	0.21	mg/kg
SB103	04SB113	0.0-1.0	Metals	Arsenic	3.9	0.36	mg/kg
				Barium	36.6 J	0.07	mg/kg
				Chromium	4.1 J	0.08	mg/kg
				Lead	6	0.21	mg/kg
SB104	04SB108	0.0-1.0	Metals	Arsenic	4.9 J	0.35	mg/kg
				Barium	60.8	0.07	mg/kg
				Cadmium	0.14	0.06	mg/kg
				Chromium	10.3 J	0.08	mg/kg
				Lead	9.1 J	0.20	mg/kg
			Volatile Organics	Methylene Chloride	8	6	ug/kg
	04SB109	15.0-15.5	Metals	Arsenic	1.9 J	0.34	mg/kg
				Barium	5	0.07	mg/kg
				Chromium	2 J	0.08	mg/kg
				Lead	3.9 J	0.20	mg/kg
			Volatile Organics	Methylene Chloride	15	5	ug/kg

Table 4.2 FH-004 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB104	04SB110	18.0-19.0	Metals	Arsenic	0.99 J	0.34	mg/kg
				Barium	5.1	0.07	mg/kg
				Chromium	3.5 J	0.08	mg/kg
				Lead	4.5 J	0.20	mg/kg
			Volatile Organics	Methylene Chloride	16	5	ug/kg
SB105	04SB106	0.0-1.0	Metals	Arsenic	2.6 J	0.37	mg/kg
				Barium	25.4	0.07	mg/kg
				Cadmium	0.08	0.06	mg/kg
				Chromium	9.8 J	0.08	mg/kg
				Lead	31.5 J	0.22	mg/kg
	04SB107	15.0-16.0	Metals	Arsenic	0.76 J	0.35	mg/kg
				Barium	14.9	0.07	mg/kg
				Cadmium	0.1	0.06	mg/kg
				Chromium	2.1 J	0.08	mg/kg
				Lead	2.8 J	0.20	mg/kg
			Volatile Organics	Methylene Chloride	9	6	ug/kg
SB106	04SB101	0.0-1.0	Metals	Arsenic	8.2	0.39	mg/kg
				Barium	87.5 J	0.09	mg/kg
				Cadmium	0.16	0.05	mg/kg
				Chromium	15.5 J	0.09	mg/kg
				Lead	13.2	0.16	mg/kg

Table 4.2 FH-004 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB106	04SB101	0.0-1.0	Metals	Selenium	0.27	0.26	mg/kg
SB107	04SB104	0.0-1.0	Metals	Arsenic	4.5	0.41	mg/kg
				Barium	46 J	0.10	mg/kg
				Cadmium	0.08	0.05	mg/kg
				Chromium	7.5 J	0.10	mg/kg
				Lead	7.3	0.17	mg/kg
	04SB105	11.0-12.0	Metals	Arsenic	1.6	0.40	mg/kg
				Barium	7 J	0.10	mg/kg
				Cadmium	0.72	0.05	mg/kg
				Chromium	3.6 J	0.10	mg/kg
				Lead	6.3	0.17	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	1900	400	ug/kg
			Volatile Organics	2-Butanone	53	6	ug/kg
				Acetone	34	6	ug/kg
				Naphthalene	32	6	ug/kg
SB108	04SB102	0.0-1.0	Metals	Arsenic	2.7	0.41	mg/kg
				Barium	20.1 J	0.10	mg/kg
				Cadmium	0.08	0.05	mg/kg
				Chromium	2.9 J	0.10	mg/kg
				Lead	3	0.17	mg/kg
	04SB103	14.0-15.0	Metals	Arsenic	1.6	0.36	mg/kg

Table 4.2 FH-004 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB108	04SB103	14.0-15.0	Metals	Barium	4.9 J	0.09	mg/kg
				Chromium	1.9 J	0.09	mg/kg
				Lead	2.9	0.15	mg/kg

J - Indicates estimated value

Table 4.3 FH-004 Analytes Detected in Groundwater Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
PZ101	04PZ103	--	Metals	Barium	137 J	0.60	ug/l
PZ102	04PZ102	--	Metals	Barium	79.6 J	0.60	ug/l
				Chromium	2.4 J	0.70	ug/l
	FHGW169	--	Metals	Arsenic	2.5	2.1	ug/l
				Barium	180	0.30	ug/l
				Chromium	1.2	1.0	ug/l
				Lead	1.3	0.90	ug/l
				Mercury	0.16	0.10	ug/l
PZ103	04PZ101	--	Metals	Arsenic	14.2	2.9	ug/l
				Barium	456 J	0.60	ug/l
				Chromium	5.4 J	0.70	ug/l
				Lead	3.9 J	1.5	ug/l
SB101	FHGW143	--	Metals	Arsenic	19.5	2.1	ug/l
				Barium	141	0.30	ug/l
			Volatile Organics	Acetone	22	5	ug/l
				Naphthalene	9	5	ug/l

Table 4.3 FH-004 Analytes Detected in Groundwater Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB103	FHGW150	--	Metals	Arsenic	13.7	2.1	ug/l
				Barium	268	0.30	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	8	5	ug/l
				1,4-Dichlorobenzene	14	5	ug/l
				Chlorobenzene	22	5	ug/l
				Dichlorodifluoromethane	29	5	ug/l
				m,p-Xylene	16	5	ug/l
				Naphthalene	16	5	ug/l
				Toluene	86	5	ug/l
SB105	FHGW144	--	Metals	Arsenic	13.8	2.1	ug/l
				Barium	218	0.30	ug/l
			Volatile Organics	1,4-Dichlorobenzene	11	5	ug/l
				Acetone	18	5	ug/l
				Chlorobenzene	15	5	ug/l
				Naphthalene	27	5	ug/l
SB106	FHGW137	--	Metals	Arsenic	8.5	2.1	ug/l
				Barium	112	0.30	ug/l
				Selenium	3.3 J	2.2	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	43	5	ug/l
				1,3,5-trimethylbenzene	10	5	ug/l
				Isopropyl Benzene	6	5	ug/l
				m,p-Xylene	33	5	ug/l

Table 4.3 FH-004 Analytes Detected in Groundwater Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB106	FHGW137	--	Volatile Organics	n-propylbenzene	7	5	ug/l
				Naphthalene	22	5	ug/l
SB107	FHGW139	--	Metals	Barium	186	0.30	ug/l
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	14	10	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	6	5	ug/l
				1,4-Dichlorobenzene	15	5	ug/l
				Acetone	69	5	ug/l
				Chlorobenzene	12	5	ug/l
				Naphthalene	160	5	ug/l
SB108	FHGW138	--	Metals	Arsenic	3.7	2.5	ug/l
				Barium	57.3	0.30	ug/l

J - Indicates estimated value

Table 4.4 Statistical Analysis of 95% UTL Concentrations
Background Soils

Analyte (units)	Mean	95% UTL	Maximum Detect	Results > PQL	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
** The 95% UTL could not be calculated due to no detects in the background data set, therefore, the PQL will be used as the background comparison value.
ND - Not Detected

Table 5.1 FH-004 Soil Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result	Units	Screening Criteria	Screening Concentration	Units
SB105	04SB106	0.0-1.0	Lead	31.5 J	mg/kg	Soil Background	19	mg/kg
SB107	04SB105	11.0-12.0	Cadmium	0.72	mg/kg	Soil Background	0.67	mg/kg

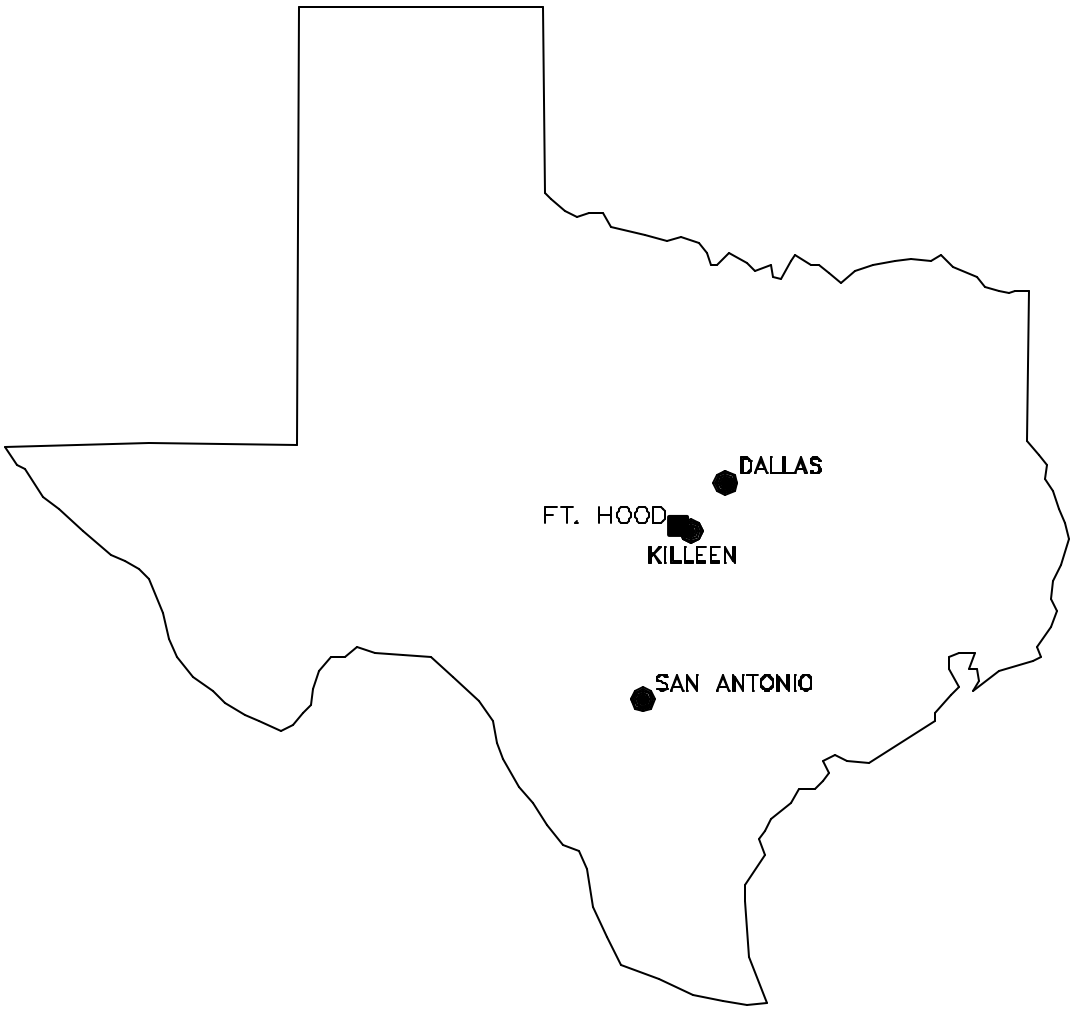
J - Indicates estimated value

Table 5.2 FH-004 Groundwater Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result	Units	Screening Criteria	Screening Concentration	Units
SB103	FHGW150	--	1,2,4-trimethylbenzene	0.008	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SB106	FHGW137	--	1,2,4-trimethylbenzene	0.043	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			1,3,5-trimethylbenzene	0.01	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Isopropyl Benzene	0.006	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			n-propylbenzene	0.007	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SB107	FHGW139	--	1,2,4-trimethylbenzene	0.006	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Bis(2-ethylhexyl)phthalate	0.014	mg/l	30 TAC 335 Groundwater	0.00608	mg/l

FIGURES

FH-004



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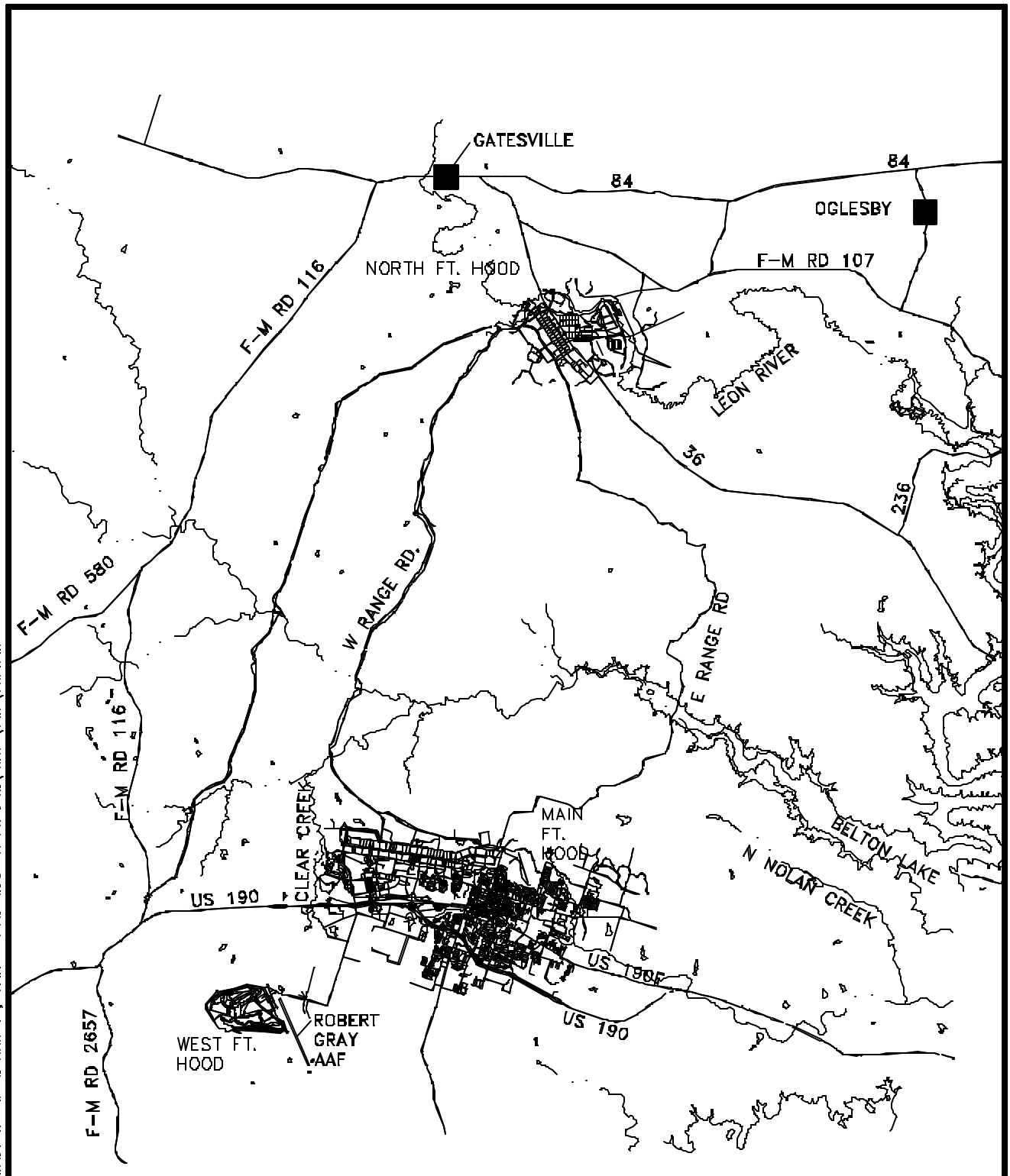
U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

FORT HOOD
VICINITY MAP

Science Applications International Corporation — Columbus, Ohio

DRAWN	CHECKED	DATE	SCALE	PROJECT NO.	FIGURE NO.
SC			NO SCALE		1.1



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LEGEND

- MAJOR ROADS
- RIVERS/STREAMS
- WATER BODIES

U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

FT. HOOD INSTALLATION MAP

Science Applications International Corporation — Columbus, Ohio

DRAWN	CHECKED	DATE	SCALE	PROJECT NO.	FIGURE NO.
			1"=7000M		1.2

NAME: S:\HOOD\4TOPO99.DWG DATE: JUN 15, 2000 TIME: 11:57 AM PCP: S:\HOOD\PCP\FRP1.PCP

N
True
North

400 0 400 800
METERS

LEGEND

TOPOGRAPHIC CONTOUR (FT.)
DRAINAGE
SURFACE DRAINAGE FLOW
FH-004

U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

TOPOGRAPHY AND DRAINAGE
OF MAIN FT. HOOD

SAIC. Science Applications International Corporation Columbus, Ohio

DRAWN	CHECKED	DATE	SCALE	PROJECT NO.	FIGURE NO.
BW			AS SHOWN		2.1

View of drainage ditch, south of landfill, looking west

View looking east from center of west boundary of the landfill

Figure 3.1 Photographs of FH-004

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NAME: S:\HOOD\4SC99.DWG DATE: JUN 15, 2000 TIME: 11:48 AM PCP: S:\HOOD\PCP\FRP1.PCP

FH-004_SB-103

FH-004_SB-106

FH-004_PZ-101UP

FH-004_SB-108

FH-004_SB-107

11.0-12.0 FT Cadmium 0.72 MG/KG

Bis(2-ethylhexyl)phthalate 0.014 MG/L

FH-004_SB-102

FH-004_SB-104

FH-004_SB-101

FH-004_SB-105

0.0-1.0 FT Lead 31.5 J MG/KG

FH-004_PZ-103UP

FH-004_PZ-102BP

800

825

900

FH-004

MAIN FT. HOOD LOCATION MAP

N True North

40 0 40 80

METERS

LEGEND

825 TOPOGRAPHIC CONTOUR (FT.)

DRAINAGE

LANDFILL BOUNDARY

Arsenic 13.3 MG/KG
Arsenic 11.4 MG/L
SOIL RESULTS
GROUNDWATER RESULTS

SOIL BORING

PIEZOMETER LOCATION

BP BEDROCK PIEZOMETER

UP UNCONSOLIDATED PIEZOMETER

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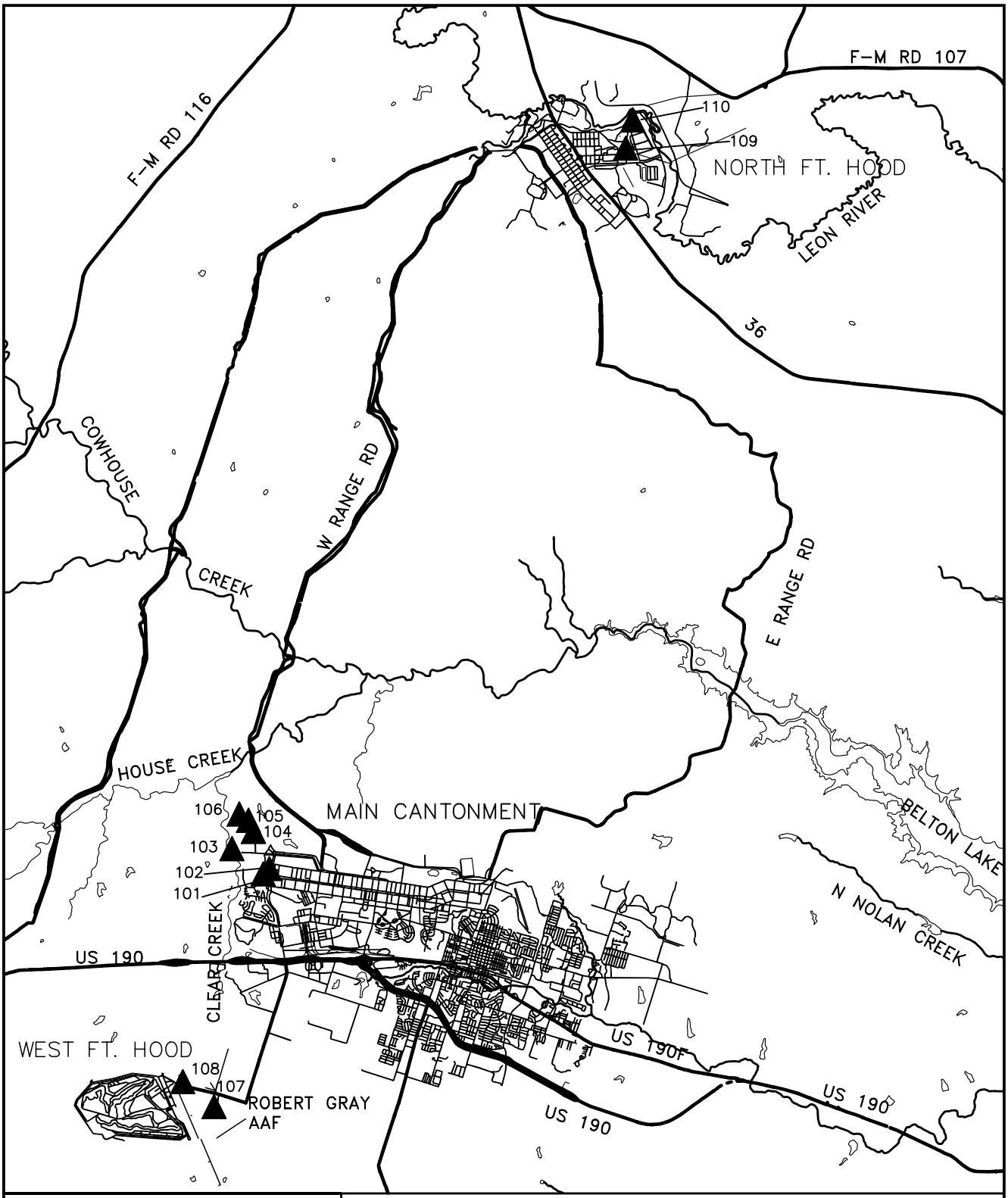
RCRA FACILITY INVESTIGATION

FH-004 Sampling Locations and Results Above Screening Criteria

SAIC® Science Applications International Corporation Columbus, Ohio

DRAWN	CHECKED	DATE	SCALE	PROJECT NO.	FIGURE NO.
BW			AS SHOWN		4.1



LEGEND

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

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RCRA FACILITY INVESTIGATION

LOCATIONS OF BACKGROUND SOIL SAMPLES

SAIC® Science Applications International Corporation — Columbus, Ohio

DRAWN	CHECKED	DATE	SCALE	PROJECT NO.	FIGURE NO.
SC			1"=5000M		4.2

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

APPENDIX A

FH-004 Soil Boring Logs

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Ft. Worth District
Ft. Worth, Texas

Boring FH004-SB101

SWMU FH004	: Abandoned Landfill 4
Start Date	: 03/04/97
End Date	: 03/04/97
Northing Coord.	: 3448071.26 m
Easting Coord.	: 613138.30 m UTM 14 North
Total Depth of Boring	: 16.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 12.0 feet
Depth Drilled Into Rock	: 4.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 869.72ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	869	CL			Silty CLAY; limestone fragments; damp; moderately plastic; 2.5Y6/4 light yellowish brown mottled with 2.5Y6/1 gray and 2.5Y6/8 olive yellow.	Sample 04SB111 collected 0.0-1.0' bgs.
1	868				Same as above, damp.	Geotechnical sample collected 1.0-2.0' bgs.
2	867				Same as above, damp.	
3	866					
4	865				Same as above, dry.	
5	864					
6	863					Description from soil cuttings.
7	862	CL			Silty CLAY; trace organics; trace gravel <1cm; damp; firm; moderately plastic; 2.5Y3/1 very dark gray.	
8	861	CL			Silty CLAY; limestone fragments; damp; moderately plastic; 2.5Y6/4 light yellowish brown mottled with 2.5Y6/1 gray and 2.5Y6/8 olive yellow.	
9	860					
10	859				Same as above, damp.	
11	858				Wet on top of Limestone.	
12	857	LS			Tan/Light gray weathered limestone with shale partings; dry.	
13	856					
14	855					
15	854					
16	853				Bottom of Boring @ 16.0' bgs.	Water in hole, unable to recover sample, still in rock.
17	852					
18	851					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
19	850					
20						

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Boring FH004-SB102

(Page 1 of 1)

SWMU FH004	: Abandoned Landfill 4
Start Date	: 03/04/97
End Date	: 03/04/97
Northing Coord.	: 3448154.45 m
Easting Coord.	: 613107.35 m UTM 14 North
Total Depth of Boring	: 16.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: Not Encountered
Depth Drilled Into Rock	: NA
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 873.99ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0						
1	873	CL			Silty CLAY; limestone fragments; damp; moderately plastic; 2.5Y6/4 light yellowish brown mottled with 2.5Y6/1 gray and 2.5Y6/8 olive yellow.	Sample 04SB112 collected 0.0-1.0' bgs.
2	872				Same as above, damp.	
3	871					
4	870					
5	869	FL			Trash, paper, plastic, glass, wood; mixed with clay, dark gray; wet.	
6	868					Description from soil cuttings.
7	867					
8	866					
9	865					
10	864					
11	863				Same as above; wet.	
12	862					
13	861					
14	860				Saturated at 14.0' bgs.	
15	859					
16	858				Bottom of Boring @ 16.0' bgs.	Unable to recover sample, on rock.
17	857					
18	856					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
19	855					
20	854					

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Boring FH004-SB103

SWMU FH004	: Abandoned Landfill 4
Start Date	: 03/06/97
End Date	: 03/06/97
Northing Coord.	: 3448209.31 m
Easting Coord.	: 613081.55 m UTM 14 North
Total Depth of Boring	: 18.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 17.0 feet
Depth Drilled Into Rock	: 1.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 875.16ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	875	CL			Silty CLAY; limestone fragments; damp; moderately plastic; 2.5Y6/4 light yellowish brown mottled with 2.5Y6/1 gray and 2.5Y6/8 olive yellow.	Sample 04SB113 collected 0.0-1.0' bgs.
1	874					
2	873				Same as above, dry.	
3	872	FL			Clay, dark gray, mixed with TRASH, plastic, glass, etc.; damp.	
4	871					
5	870					
6	869				Same as above; damp.	Description from soil cuttings.
7	868					
8	867					
9	866					
10	865				Same as above; damp.	
11	864					
12	863					
13	862					
14	861				Saturated below 14.0' bgs.	
15	860					Water in hole.
16	859				Same as above; saturated.	
17	858	SH			Shale, blue-gray.	No sample recovery, water in hole.
18	857				Bottom of Boring @ 18.0' bgs.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
19	856					
20						

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Ft. Worth District
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Boring FH004-SB104

SWMU FH004	: Abandoned Landfill 4
Start Date	: 03/04/97
End Date	: 03/04/97
Northing Coord.	: 3448102.64 m
Easting Coord.	: 613090.14 m UTM 14 North
Total Depth of Boring	: 19.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 17.0 feet
Depth Drilled Into Rock	: 2.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 867.80ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0						
1	867	CL			Silty CLAY; gravel/limestone fragments; dry; firm; moderately plastic; roots near surface; 2.5Y7/4 pale yellow and 2.5Y6/8 olive yellow.	Sample 04SB108 collected 0.0-1.0' bgs. Split Sample and Duplicate sample collected.
2	866				Same as above, dry.	
3	865					
4	864	FL			Trash, wood, glass, etc.; strong odor; dry.	0 ppm in hole; slight methane.
5	863					
6	862				Same as above; dry.	Description from soil cuttings.
7	861					
8	860					
9	859					
10	858				Same as above; dry.	
11	857	LS			LIMESTONE, weathered; some shale partings; dry; tan.	
12	856					
13	855					
14	854					
15	853				Same as above; dry.	Sample 04SB109 collected 15.0-15.5' bgs.
16	852					
17	851	SH			Shale, blue-gray; dry.	
18	850					Sample 04SB110 collected 18.0-19.0' bgs..
19	849				Bottom of Boring @ 19.0' bgs.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
20	848					

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Boring FH004-SB105

(Page 1 of 1)

SWMU FH004	: Abandoned Landfill 4
Start Date	: 03/04/97
End Date	: 03/04/97
Northing Coord.	: 3448053.95 m
Easting Coord.	: 613005.69 m UTM 14 North
Total Depth of Boring	: 16.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 15.0 feet
Depth Drilled Into Rock	: 1.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 858.27ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	858	CL			Silty CLAY; gravel/limestone fragments; dry; firm; moderately plastic; roots near surface; 2.5Y7/4 pale yellow and 2.5Y6/8 olive yellow.	Sample 04SB106 collected 0.0-1.0' bgs. Split Sample, Duplicate Sample, and MS/MSD collected.
1	857					
2	856				Same as above, dry.	
3	855					
4	854					
5	853					
6	852				Same as above; dry.	Description from soil cuttings.
7	851					
8	850				Same as above; dry.	
9	849					
10	848					
11	847				Same as above; dry.	
12	846					
13	845				Wet below 13.0' bgs.	
14	844					
15	843	SH			SHALE, blue-gray; dry. Water in hole.	Sample 04SB107 collected 15.0-15.5' bgs.
16	842				Bottom of Boring @ 16.0' bgs.	
17	841					
18	840					
19	839					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
20						

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Boring FH004-SB106

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SWMU FH004	: Abandoned Landfill 4
Start Date	: 02/24/97
End Date	: 02/24/97
Northing Coord.	: 3448194.12 m
Easting Coord.	: 613043.87 m UTM 14 North
Total Depth of Boring	: 19.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 18.0 feet
Depth Drilled Into Rock	: 1.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 871.28ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	871				Topsoil 0.3' bgs.	Sample 04SB101 collected 0.0-1.0' bgs.
		CL			Silty CLAY; gravel, limestone fragments; dry; firm; non-plastic; 2.5Y5/2 grayish brown and 2.5Y3/1 very dark gray mottling.	
1	870	FL			Same as above; including glass, plastic, wood, etc.; damp.	
2	869					
3	868					
4	867				Same as above; damp.	
5	866					
6	865					Description from soil cuttings.
7	864					
8	863					
9	862				Same as above; damp.	
10	861					
11	860				Wet at 12.0' bgs.	
12	859	SH			SHALE; dry; tan	
13	858					
14	857					
15	856				Same as above; dry.	
16	855					
17	854			▼		
18	853	SH			SHALE, blue-gray; dry.	No sample collected, water in hole, no recovery.
19	852				Bottom of Boring @ 19.0' bgs.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
20						

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Boring FH004-SB107

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SWMU FH004	: Abandoned Landfill 4
Start Date	: 02/25/97
End Date	: 02/25/97
Northing Coord.	: 3448106.78 m
Easting Coord.	: 612992.84 m UTM 14 North
Total Depth of Boring	: 12.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 11.0 feet
Depth Drilled Into Rock	: 1.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 862.17ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	862				Topsoil 0.3' bgs.	Sample 04SB104 collected 0.0-1.0' bgs.
1	861	CL			Silty CLAY; gravel, limestone fragments; damp; firm; moderately plastic; 2.5Y5/2 grayish brown and 2.5Y3/1 very dark gray mottling.	
2	860					
3	859	FL			Same as above; glass, paper, wood, etc; damp.	
4	858				Same as above; damp.	
5	857					
6	856				Same as above; damp.	Description from soil cuttings.
7	855					
8	854					
9	853					
10	852				Same as above; saturated.	
11	851	SH			SHALE, blue-gray; dry.	Sample 04SB105 collected 11.0-12.0' bgs, water in hole.
12	850				Bottom of Boring @ 19.0' bgs.	
13	849					
14	848					
15	847					
16	846					
17	845					
18	844					
19	843					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
20						

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Boring FH004-SB108

(Page 1 of 1)

SWMU FH004	: Abandoned Landfill 4
Start Date	: 02/25/97
End Date	: 02/25/97
Northing Coord.	: 3448158.08 m
Easting Coord.	: 612963.79 m UTM 14 North
Total Depth of Boring	: 15.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 14.0 feet
Depth Drilled Into Rock	: 1.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 865.68ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	865	CL			Silty CLAY; gravel, damp; firm; moderately plastic; 2.5Y5/2 grayish brown and 2.5Y3/1 very dark gray mottling.	Sample 04SB102 collected 0.0-1.0' bgs.
1					Same as above with limestone fragments; dry.	
2	864					
3	863	CL				
4	862				Same as above; dry	
5	861				SHALE; dry; tan.	
6	860					Description from soil cuttings.
7	859					
8	858					
9	857				Same as above; dry.	
10	856	SH			Same as above; also thin clay interbeds; dry.	
11	855					Sample 04SB103 collected 14.0-15.0' bgs, water in hole.
12	854					
13	853					
14	852					Note that hole is located between trenches, still within landfill even though no water in hole.
		SH			SHALE, blue-gray; dry.	
15	851				Bottom of Boring @ 15.0' bgs.	
16	850					
17	849					
18	848					
19	847					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
20	846					

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RCRA Facilities Investigation
Fort Hood, Texas

U.S. Army Corp of Engineers
Ft. Worth District
Ft. Worth, Texas

Boring FH004-PZ101

(Page 1 of 1)

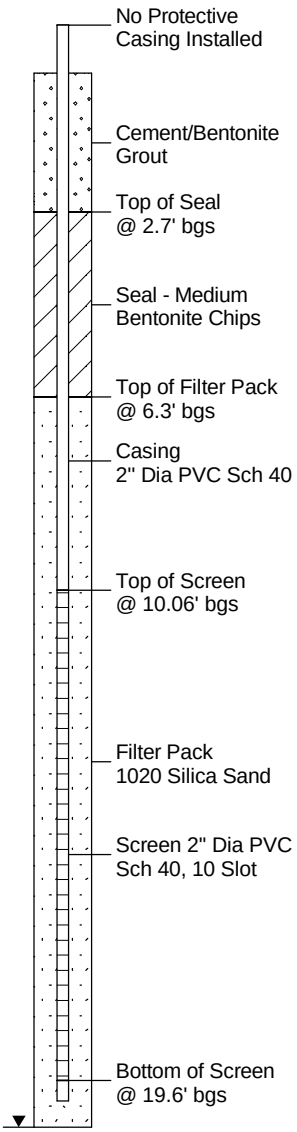
SWMU FH004	: Abandoned Landfill 4
Start Date	: 4/1/98
End Date	: 4/8/98
Northing Coord.	: 3448155.48 m
Easting Coord.	: 613138.50 m UTM 14 North
Total Depth of Boring	: 21.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: A. Brad Richardson
Depth to Bedrock	: 20.5 feet
Depth Drilled Into Rock	: 0.5 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 878.01ft	USCS	DESCRIPTION	REMARKS
0	878	SM	Topsoil. Silty SAND; with clay and gravel <1cm; damp; moderately plastic; 2.5Y4/3 olive brown.	
1	877	SM	Silty SAND and CLAY; some gravel to 10cm (limestone); dry; firm; non-plastic; 2.5Y8/3 pale yellow and 2.5Y6/3 light yellowish brown mottling.	
2	876			
3	875	SM	Silty SAND; with gravel to 10cm. Same as above except color mottled from 2.5Y8/3 pale yellow to 2.5Y4/3 olive brown.	Sample Recovery 0-5' bgs 42" 70%. 0.3 ppm.
4	874		SAND and GRAVEL and clay in shoe; dry; same colors as above.	
5	873	SM	Silty SAND; with gravel to 5cm, limestone; dry to damp; very slightly plastic, crumbly; 2.5Y4/3 olive brown mottled with 2.5Y7/3 pale yellow.	
6	872	SH	SHALE, weathered (clay/silt); with thin limestone parting; dry, little damp next to limestone parting; medium firm; non-plastic; 2.5Y7/3 pale yellow.	Sample Recovery 5-10' bgs 60" 100%. 0.2 ppm.
7	871			
8	870			
9	869	LS	LIMESTONE, weathered; with shale parting.	
10	868			
11	867			
12	866			Sample Recovery 10-15' bgs 60" 100%. 0.3 ppm.
13	865		Same as above except more shale(clay) then limestone; damp to dry in shale parting.	
14	864			
15	863			
16	862	SH	SHALE, weathered (silty sand); damp; moderately plastic; see varves and lamination patterns apparent; top and bottom 2.5Y6/6 olive yellow and middle 2.5Y6/1 gray.	@16.5' driller saw gray-blue soft shale - softer!
17	861			
18	860			Sample Recovery 15-20' bgs 30" 50%. NR ppm.
19	859		weathered laminar zones SHALE, sandstone and siltstone, similar to above, same color except no gray; wet silty clay at 20.0' bgs, damp elsewhere.	Set 6" casing at 19.0' (1.5' above gray limestone).
20	858			
21	857	LS	LIMESTONE; blue-gray.	@20.5' driller indicated water.
			Bottom of Boring at 21.0' bgs. Refusal.	Sample 04SB114, duplicate and split collected.
22	856			
23	855			Soil colors from Munsell Soil Color Chart, 1992 revised edition.
24	854			
25				

Water Levels

Well1: PZ101
Elev.: 881.08 TOC



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RCRA
Facilities
Investigation
Fort Hood, Texas

U.S. Army Corp of Engineers
Ft. Worth District
Ft. Worth, Texas

Boring FH004-PZ102

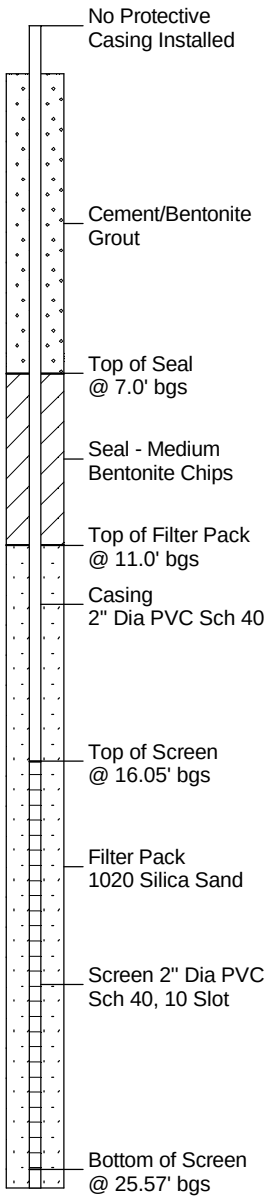
(Page 1 of 1)

SWMU FH004	: Abandoned Landfill 4
Start Date	: 4/1/98
End Date	: 4/13/98
Northing Coord.	: 3447976.71 m
Easting Coord.	: 612980.87 m UTM 14 North
Total Depth of Boring	: 26.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: A. Brad Richardson
Depth to Bedrock	: 8.0 feet
Depth Drilled Into Rock	: 14.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 845.20ft	USCS	DESCRIPTION	REMARKS
0	845	SM	Topsoil. Silty and Clayey SAND; trace gravel <10cm; damp; soft; plastic; 2.5Y5/4 olive brown.	0 ppm
1	844			
2	843	CL	Silty CLAY; with sand; trace gravel <20cm; slightly damp; firm; slightly plastic; 2.5Y3/3 very dark brown.	
3	842		No Recovery	Sample Recovery 0-5' bgs 26" 43%. 0.3 ppm.
4	841			
5	840			
6	839			Sample Recovery 5-10' bgs 56" 93%. 1.8 ppm.
7	838	LS	Weathered SHALE and LIMESTONE laminations; dry (moist 1/2" above limestone lamination); firm; non-plastic; crumbly.	Sample 04PZ102 collected 7.0-8.0' bgs.
8	837	LS	Clayey LIMESTONE, weathered to competent; blue-gray.	
9	836	LS	Sandy LIMESTONE; sand very fine to coarse; gray.	Begin rock coring @9' bgs
10	835			
11	834			
12	833			Possible fractures (horizontal), hard to determine since coring "eroded" the seperations.
13	832			
14	831	LS	LIMESTONE, very fine grained; gray.	
15	830			
16	829			
17	828			
18	827	SS	Limey SANDSTONE, fine grained.	
19	826	SS	Old Fracture filled with calcite crystals.	pulled first core @ 19' bgs Horizontal fractures look damp @ 19.5' bgs.
20	825		Increased grain-size with seams 1/2" of limestone.	
21	824		Limey SANDSTONE, coarse grained.	
22	823		decreasing coarseness with depth	
23	822	LS	Sllty LIMESTONE; gray	
24	821			
25	820		Shaley; moist.	Increasingly shaley from 25.5 down and moist.
26	819		Bottom of Boring at 26.0' bgs.	
27	818			
28	817			Soil colors from Munsell Soil Color Chart, 1992 revised edition.
29	816			
30				

Well1: PZ102
Elev.: 849.56 TOC



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RCRA Facilities Investigation
Fort Hood, Texas

U.S. Army Corp of Engineers
Ft. Worth District
Ft. Worth, Texas

Boring FH004-PZ103

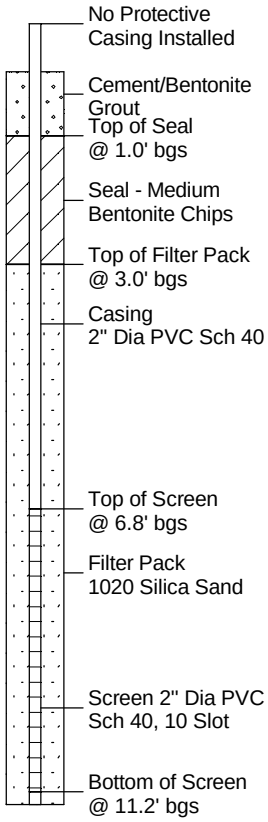
(Page 1 of 1)

SWMU FH004	: Abandoned Landfill 4
Start Date	: 04/08/98
End Date	: 04/08/98
Northing Coord.	: 3448052.79 m
Easting Coord.	: 612938.08 m UTM 14 North
Total Depth of Boring	: 14.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: A. Brad Richardson
Depth to Bedrock	: 11.4 feet
Depth Drilled Into Rock	: 3.6 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 848.69ft	USCS	DESCRIPTION	REMARKS
0	848	CL	Topsoil. Silty CLAY; trace sand; moist; soft; plastic; 2.5Y3/2 very dark grayish brown.	PID 0 ppm LEL 0%
1			Silty SAND and GRAVEL; dry; loose; 2.5Y6/4 light yellowish brown.	
2	847		SAND, SILT, CLAY; with gravel ,10cm; moist to damp; soft/loose; slightly plastic; 2.5Y5/4.	
3	846		Silty CLAY; trace medium sand; zones of weathered limestone(clayey); slightly moist; soft; plastic; 2.5Y7/4 pale yellow mottled with 2.5Y8/1 white.	Sample Recovery 0-5' bgs 48" 80%.
4	845			
5	844		Silty CLAY (same as above) and zones of weathered limestone more frequent than above; wet/saturated.	
6	843			Sample Recovery 5-10' bgs 32" 53%.
7	842	CL	Same as above; dry;	Outside of core barrel wet 4.4-7.0' bgs, saturated.
8	841		No recovery 6.6-9.5' bgs	
9	840			
10	839		Same as above; moist to damp.	Sample 04SB116 collected 10.4-11.4' bgs.
11	838		Same as above; becoming more dry with depth.	
12	837	LS	Clayey LIMESTONE; blue-gray; dry; 2.5Y6/1gray.	
13	836			
14	835		Bottom of Boring at 14.0' bgs.	
15	834			
16	833			
17	832			
18	831			Soil colors from Munsell Soil Color Chart, 1992 revised edition.
19	830			
20	829			

Well1: PZ103
Elev.: 852.25 TOC



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APPENDIX B

FH-004 Geophysical Investigation Results

An Employee-Owned Company

Geophysical Services

A Service of Science Applications International Corporation

Draft Technical Memorandum

To: Becky Hoey (SAIC Dublin, OH)

From: Jeffrey J. Warren

CC: Paul Parrish

Date: 08/10/99

Re: Fort Hood, TX - Landfill 004 EM-31 survey

This documents the results of the geophysical investigation performed at Fort Hood, Texas in February 1997. The survey objectives were to delineate the lateral extent of Solid Waste Management Unit (SWMU) Landfill FH-004 which is located north of Landfills FH-005 (1000') and FH-003 (1300'), about 2,500 feet west-northwest of the intersection of Turkey Run Road and Cedar Creek Road.

SWMU FH-004 is presumed to be a landfill, which received municipal and construction debris. This site is located within a safety zone for an ammunition holding area located approximately 1,000 feet north of this SWMU. The landfill is approximately 12 acres in size and was reportedly covered with approximately 6 inches of soil at its time of closure. The landfill area has settled since closure, with the outlines of some trenches still visible. The site is completely undeveloped and is covered by grasses and small scrub brush. During the site visit, it was noted that ground cover and brush was different from the area outside the proposed survey area. The southern edge of the proposed survey area is bounded by a gully, which in some places is approximately 12 feet deep (below the level of fill material). No landfill material was exposed in the bank of the gully. Insufficient historical information is available to accurately define the precise location or limits of FH-004. To further delineate the lateral extent of the landfill, a geophysical investigation was performed. To accomplish this, SAIC performed an

electromagnetic terrain conductivity (EM) survey utilizing an EM-31 conductivity meter manufactured by Geonics Limited of Mississauga, Ontario, Canada.

EM is an induction method of evaluating the electrical properties of the subsurface. Induction methods require no intrusive activities and are conducted using appropriately sized high frequency transmitters and receivers. This technique is well suited to conducting regional and/or reconnaissance type surveys to delineate areas warranting a more detailed investigation.

Electromagnetic Induction Methods

The Geonics EM31 has a transmitter coil mounted at one end and a receiver coil at the other end inside a 12-foot long plastic boom. An audio frequency alternating current is applied to the transmitter coil, causing the coil to radiate an alternating primary electromagnetic field. As described by Faraday's law of induction, the time varying primary magnetic field generates eddy currents in conductive subsurface materials. These eddy currents have an associated magnetic field with a strength and a phase shift (relative to the primary field) that is dependent on the conductivity of the medium. The receiver coil measures the resultant effect of both primary and secondary fields. The ratio of the primary field and secondary field is directly proportional to the conductivity of the medium. By comparing the signal at the receiver to that of the transmitter, the instrument records the components of the secondary magnetic field in-phase (in-phase) and 90 degrees out-of-phase (quadrature) with the primary field. Most geologic materials are poor conductors. The EM31 is configured so that the quadrature component is converted to electrical conductivity in units of milliSiemens per meter (mS/m) (McNeil, 1980). The in-phase component is read in parts per thousand (ppt) of the primary EM field. The in-phase component is adjusted to read zero response over background materials.

The horizontal and vertical dipole orientations of the EM-31DL result in two different views of the subsurface. The vertical dipole orientation discriminates against near-surface anomalies and has 70 percent of its signal response within the first 18 feet of the subsurface (1.5 times the intercoil spacing

of 12 feet). The horizontal dipole data are near-surface sensitive, with 70 percent of its signal returned within the first 9 feet of the subsurface (0.75 times the intercoil spacing of 12 feet). By observing the similarities or the differences between the horizontal and vertical dipole data sets, a vertical sense of the subsurface can be gathered.

Conductors in the subsurface dramatically increase the conductivity measured. Information about the conductors (metals) in the subsurface can be estimated by close inspection of the in-phase responses and recognition of magnetic field spatial response patterns. Shallow or high mass objects will have a significant effect on both the apparent conductivity and the in-phase response of the subsurface. Due to technical reasons, as a result of a limited mass buried metal at depth, the in-phase response may not be apparent, while a significant quadrature phase (apparent conductivity) response is observed.

Since high conductivity is not normally considered a natural part of the subsurface, the electronics of the instrumentation respond in a unique fashion. According to electromagnetic theory, apparent subsurface conductivity, as measured by equipment, ceases to correlate with the true conductivity of the subsurface at approximately 100 mS/m. While the electronics of the instrument allow for conductivities up to 300 mS/m to be measured, the true conductivity is actually less than the measured conductivity at this level. A quirk in the electronic configuration allows for all conductivities greater than 300 mS/m to appear as negative conductivities. Experience shows that negative values of conductivity often represent metals in the subsurface. Although it is technically incorrect to present negative conductivity values, the availability of this information provides a rapid interpretive tool with relatively high accuracy.

EM Limitations

The terrain conductivity is dependent upon the nature of the soils; subsurface porosity; moisture content; concentration or lack of concentration of dissolved electrolytes and colloids; and presence of interferences such as electric lines, pipes, buildings, buried metal, and foundations. Therefore, the actual magnitude of conductivity values measured does not always indicate a specific geologic condition. What are important are the trends and anomalies in the measurements. These lead to a qualitative interpretation of the data. Towards this end, SAIC Geophysical Services personnel are highly experienced in the interpretation and evaluation of EM data.

Data Collection / Processing

In February 1997, EM31 data was collected for this project. The survey parameters included measurements every 15 feet inline. Traverse spacing varied between 15 and 30 feet. The traverse lines were oriented perpendicular to the known burial trench orientation to better define their location and width. The EM survey was conducted in both the horizontal and vertical dipole modes. This was performed so that a more qualitative comparison could be made between shallow (0 –10 feet bgl), broader EM measurement and deeper (0-18 feet bgl) EM responses. In turn, a more accurate evaluation of the subsurface induction potential can be made and increase the accuracy of delineating the lateral landfill extent.

During the course of the horizontal mode survey, 25 traverses were investigated. A total of 1,273 measurements were made which represented approximately 18,720 linear feet of data. During the vertical dipole mode survey, 25 traverses were investigated. This yielded 1,273 EM measurements representing approximately 18,720 linear feet of data. EM31 traverse locations and stations are shown on the attached figures. Inline positioning was maintained by running a surveyor's tape between staked grid locations to identify station locations every 15 feet.

Data was downloaded to a field PC utilizing Geonics DAT31 software and exported for processing. Data was then processed using Golden Software's Surfer contouring package. An appropriate scale was chosen for each data set that best illustrates variations in the subsurface materials.

Survey Results

EM31 contour maps are attached. The horizontal and vertical plots correlate quite well. The minor variation in response is most likely related to the different depth of investigation. After reviewing the quadrature phase data, it appears that background response for the vertical mode is less than 50 mS/m while the horizontal mode is less than 40 mS/m. Measurements above these thresholds are interpreted to be related to more conductive landfill material. Based on these observations, the interpreted landfill limits are shown on the attached contour maps.

After reviewing the horizontal and vertical in-phase results, it was determined that the in-phase background was between –3 to 2 ppt and -4 to 2 ppt, respectively. The perimeter of elevated in-phase response is similar to that of the quadrature data maps. However, distinct linear north to south anomalies are observed and are most prevalent on the vertical in-phase data map and can also found on the vertical quadrature data map. These may be interpreted to be a result of trenched waste pits. As previously noted, the in-phase response is influenced by metal. Therefore, it can be interpreted that these areas contain a higher concentration of buried metal or represent the fill/cover patterns during placement.

The overall limits of Landfill FH-004 are best highlighted using the horizontal dipole quadrature and vertical dipole in-phase data maps. Individual waste trenches are best illustrated using the vertical dipole in-phase and quadrature phase data maps. Considering this, the interpreted lateral extent of land FH-004 is questionable, particularly near the southern and eastern boundaries of the survey area. In some cases, only one or two data points along the edges of the data map show a background level EM response. This may be interpreted to be the edge of the landfill or non-landfill material between

trenches or adjacent cells. However, borings and piezometers that were installed outside the limits of the EM survey area (reported under separate cover) were free of landfill material. The southern edge of the survey area is bounded by a 12-foot deep gully which showed no signs of landfill waste. In addition, it was noted that the area outside the EM31 survey area had different ground cover and brush and showed no signs of settling. Considering these observations, it could be inferred that the EM31 survey area encompassed the entire landfill and the lateral extent of the SWMU has been identified. The inferred limits are indicated on the figures with a dashed line.

Conclusions & Recommendations

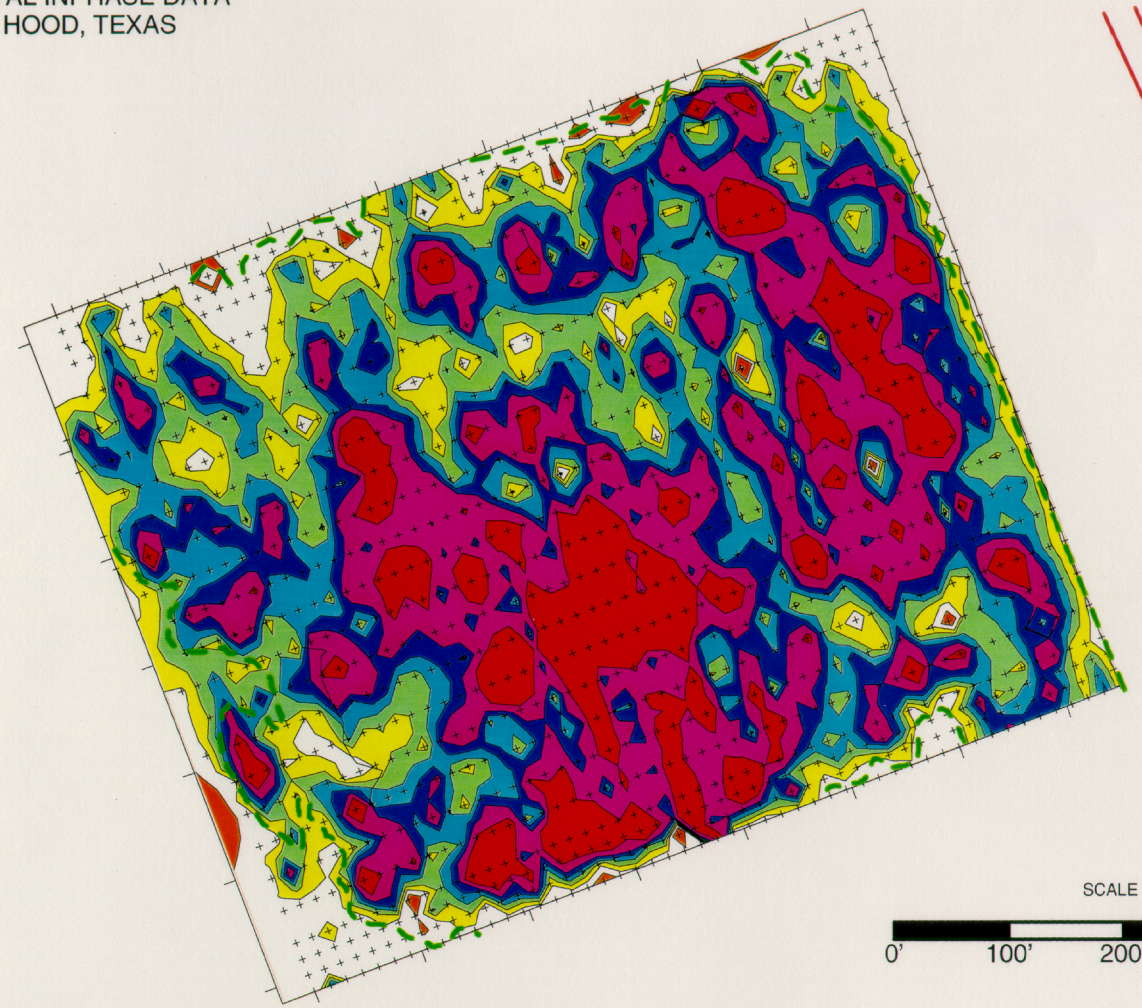
EM survey results appear to identify the burial trench locations within the survey area of FH-004. This is best illustrated in the vertical in-phase and quadrature phase data maps. These linear anomalies are consistent with surface depressions noted in the field. However, a limited amount of data showing background level response is present along the edges of the survey area. Subsequent borings and piezometers that were installed around the perimeter of the survey were free of landfill material. Also, based on ground observations made outside the survey area, it can be concluded that an underlying landfill is unlikely. Considering this, the limit of SWMU FH-004 may be interpreted to be within the area of investigation and an inferred landfill limit has been identified on the attached maps.

To more accurately define the lateral extent of the landfill between the limits of the EM survey area and the soil borings and piezometers, an additional EM survey may be necessary. SAIC recommends using a Geonics EM31 integrated with GPS to complete the task. Survey traverse spacing should be no greater than 20 feet. Data should be collected at a maximum of 5 feet inline distance. This should provide adequate resolution to identify additional trenches, if present, and to meet survey objectives.

Geophysical Limitations

The investigation undertaken includes standard and/or routinely accepted practices of the geophysical industry. However, by its nature, no subsurface survey is 100 percent accurate and SAIC cannot accept responsibility for inherent survey limitations, unforeseen, site-specific conditions.

LANDFILL 4
HORIZONTAL INPHASE DATA
FORT HOOD, TEXAS



QUADRATURE RESPONSE SCALE (mS/m)

-10 -3 0 2 4 6 8 12

SCALE

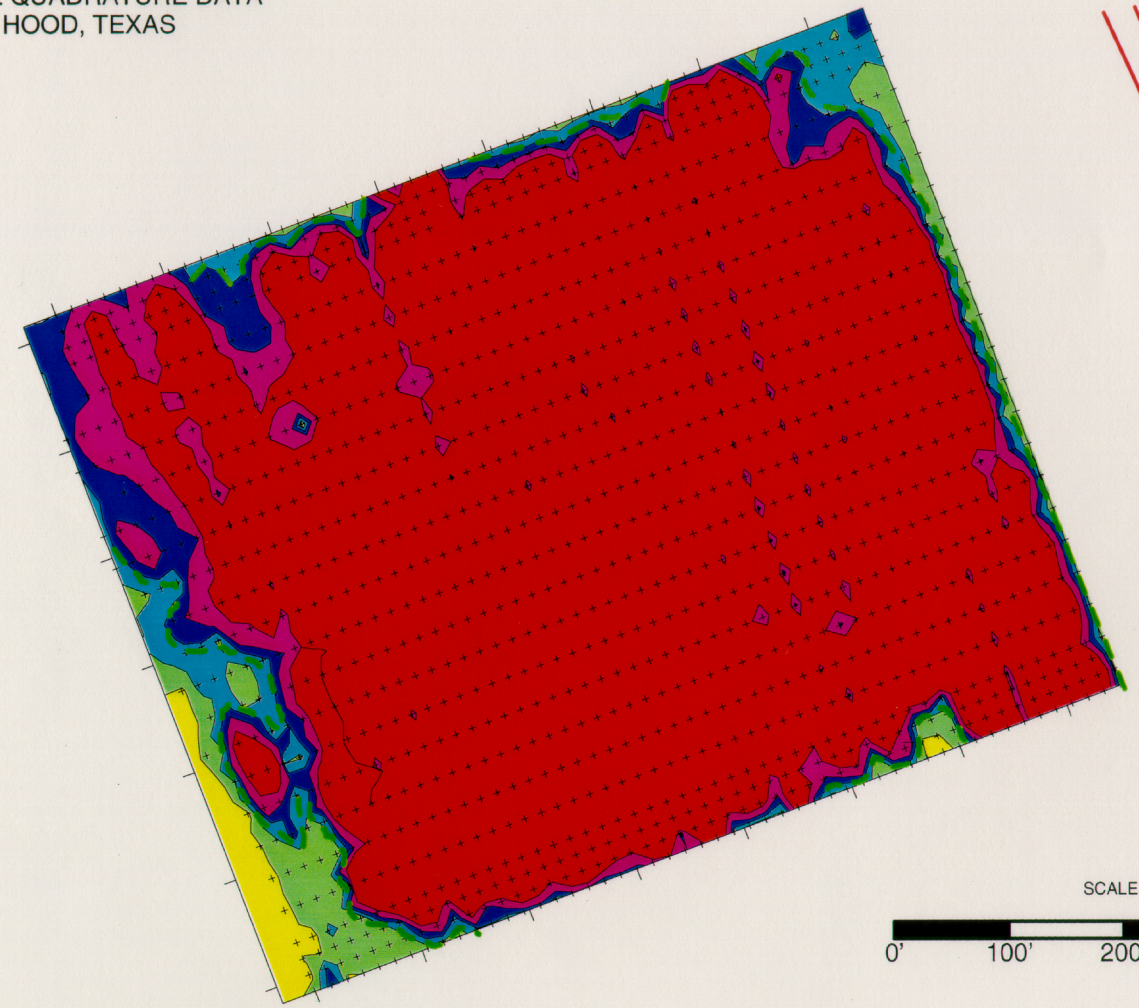
0' 100' 200' 300' 400'

INTERPRETED LANDFILL LIMIT

SWMU FH-022

4OUTHI.SRF

LANDFILL 4
HORIZONTAL QUADRATURE DATA
FORT HOOD, TEXAS



SCALE

0' 100' 200' 300' 400'

INTERPRETED LANDFILL LIMIT

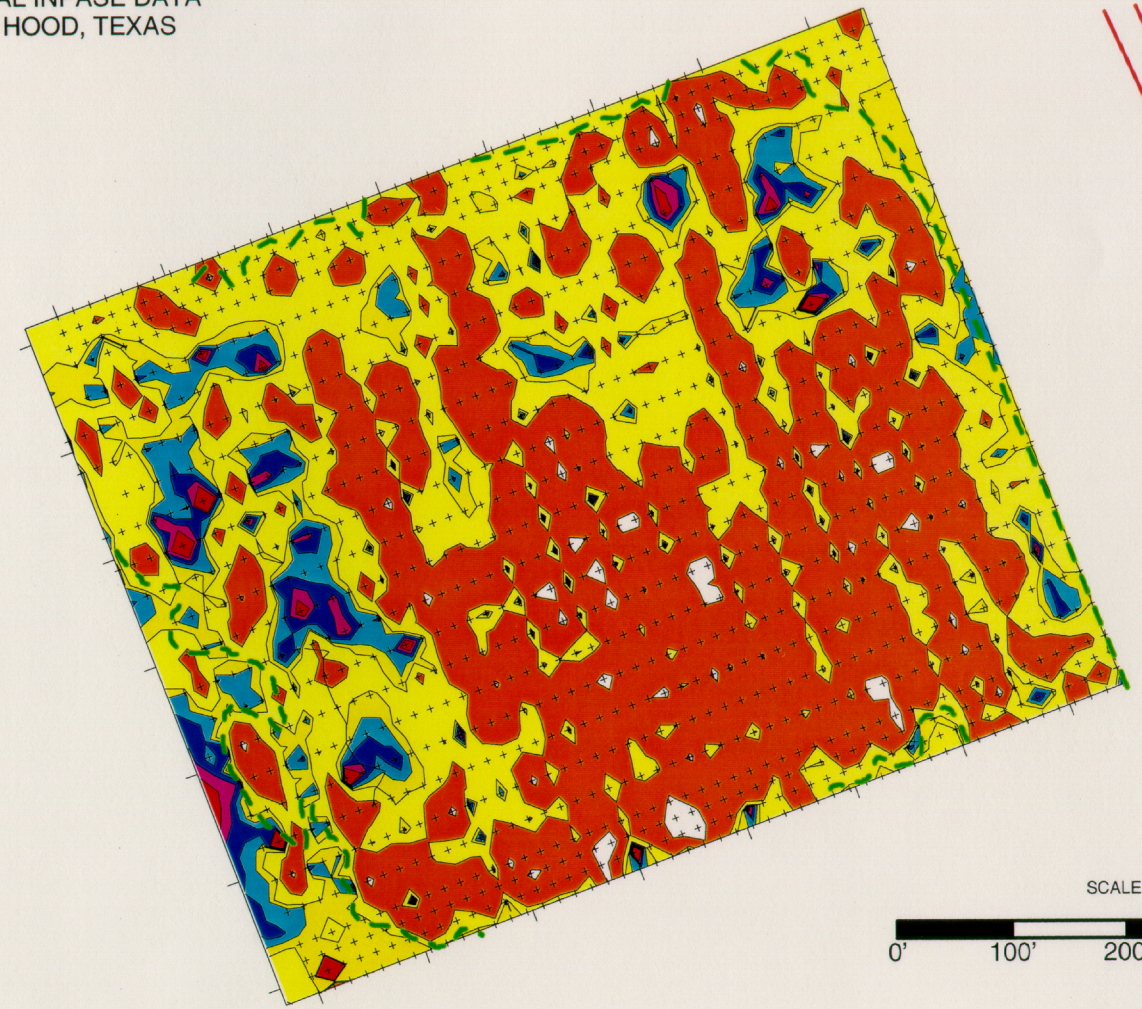
QUADRATURE RESPONSE SCALE (mS/m)

0 30 40 50 60 80 9999

SWMU FH-022

4OUTHQ.SRF

LANDFILL 4
VERTICAL INPASE DATA
FORT HOOD, TEXAS



SCALE

0' 100' 200' 300' 400'

INTERPRETED LANDFILL LIMIT

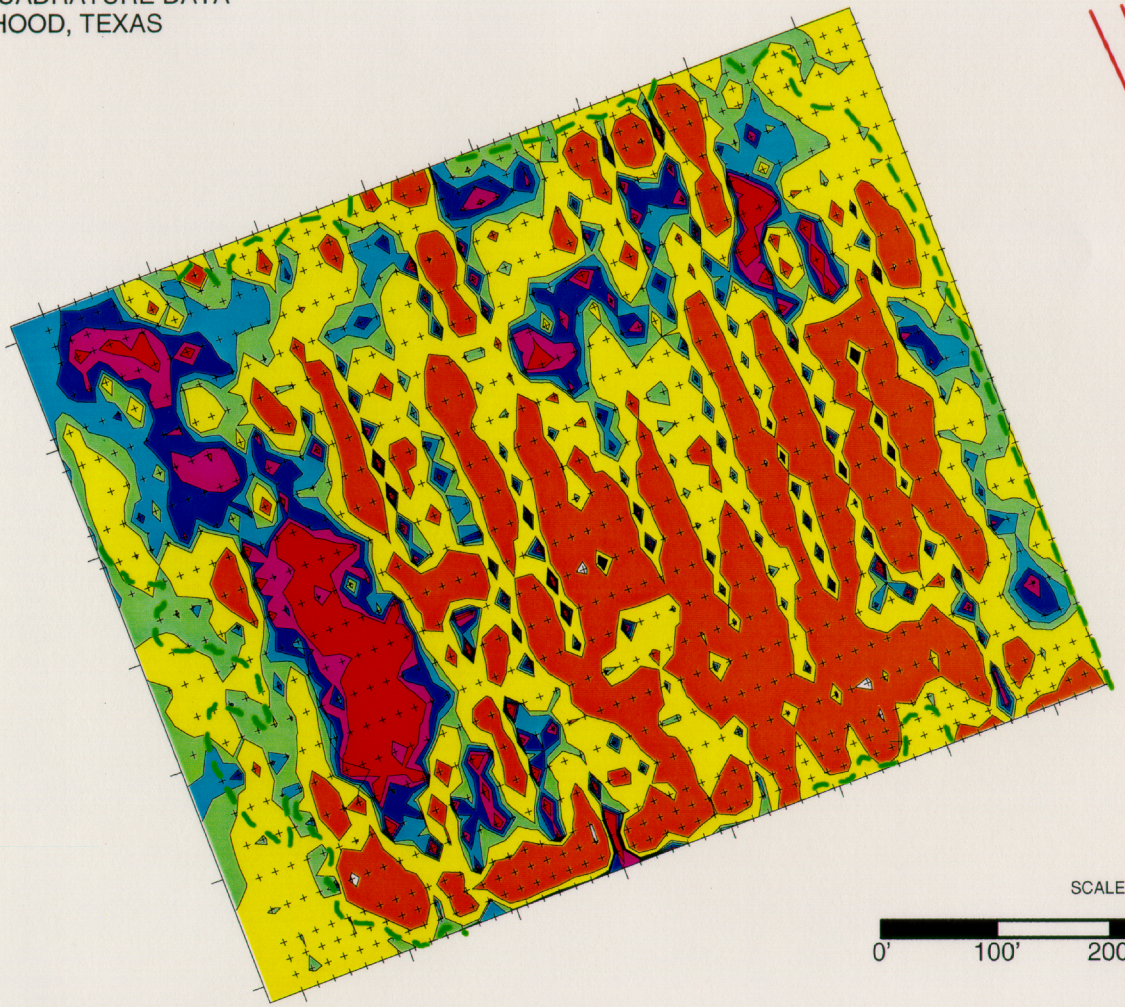
INPHASE RESPONSE SCALE (mS/m)

-20 -4 0 1 2 3 4 9999

SWMU FH-022

4OUTVI.SRF

LANDFILL 4
VERTICAL QUADRATURE DATA
FORT HOOD, TEXAS



QUADRATURE RESPONSE SCALE (mS/m)

-150 0 40 50 60 70 80 9999

Tank Trail

Gravel Road

SCALE

0' 100' 200' 300' 400'

INTERPRETED LANDFILL LIMIT

SWMU FH-022

4OUTVQ.SRF

APPENDIX C

FH-004 Analytical Results

Location: PZ101
Sample ID: 04SB114 **Depth:** 20.0-20.9
COE Sample ID: FH004-SB114/04-01-98/20-20.9
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.2	0.24	N	J	mg/kg	SW846 6010
Barium	7440-39-3	18.2	0.035			mg/kg	SW846 6010
Cadmium	7440-43-9	0.03	0.035	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	2.6	0.12	*	J	mg/kg	SW846 6010
Lead	7439-92-1	8.5	0.1	EN	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.02	0.02	U	U	mg/kg	SW846 7471
Selenium	7782-49-2	0.29	0.23	B		mg/kg	SW846 6010
Silver	7440-22-4	0.12	0.12	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	380	380	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	380	380	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	380	380	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	380	380	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	380	380	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	380	380	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1800	1800	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	380	380	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	380	380	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	380	380	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	380	380	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	380	380	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	380	380	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	380	380	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	380	380	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	380	380	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	380	380	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	760	760	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	380	380	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	380	380	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	380	380	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	380	380	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	380	380	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	380	380	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	380	380	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	380	380	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	380	380	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	380	380	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	380	380	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	380	380	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	380	380	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	120	1800	J	J	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	380	380	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	380	380	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	380	380	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	380	380	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	380	380	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	380	380	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	380	380	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	380	380	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	380	380	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	380	380	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	380	380	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	380	380	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	380	380	U	U	ug/kg	SW846 8270

Location: PZ101
Sample ID: 04SB114 **Depth:** 20.0-20.9
COE Sample ID: FH004-SB114/04-01-98/20-20.9
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	380	380	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	380	380	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	380	380	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	380	380	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	380	380	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	380	380	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	380	380	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	380	380	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	380	380	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	380	380	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	380	380	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	380	380	U	U	ug/kg	SW846 8270
Phenol	108-95-2	380	380	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	380	380	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	380	380	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	17	6	B	U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260

Location: PZ101
Sample ID: 04SB114 **Depth:** 20.0-20.9
COE Sample ID: FH004-SB114/04-01-98/20-20.9
Date Collected: 4/1/98

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

Loeation: PZ101
Sample ID: 04PZ103 **Depth:** NA
COE Sample ID: FH004-PZ103/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.9	2.9	U	U	ug/l	SW846 6010
Barium	7440-39-3	137	0.60	*	J	ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U	U	ug/l	SW846 6010
Chromium	7440-47-3	0.7	0.70	*U	UJ	ug/l	SW846 6010
Lead	7439-92-1	1.5	1.5	*U	UJ	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	NU	UJ	ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	WNU	UJ	ug/l	SW846 7740
Silver	7440-22-4	1.4	1.4	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270

Location: PZ101
Sample ID: 04PZ103 **Depth:** NA
COE Sample ID: FH004-PZ103/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	6	50	J	J	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	22	10	B	U	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	1	10	J	J	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	1	10	J	J	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	3	10	J	J	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	10	10	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260

Location: PZ101
Sample ID: 04PZ103 **Depth:** NA
COE Sample ID: FH004-PZ103/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: PZ102
Sample ID: 04SB115 **Depth:** 7.0-8.0
COE Sample ID: FH004-SB115/04-01-98/7.0-8.0
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3	0.22	N	J	mg/kg	SW846 6010
Barium	7440-39-3	5.3	0.031			mg/kg	SW846 6010
Cadmium	7440-43-9	0.05	0.031	B		mg/kg	SW846 6010
Chromium	7440-47-3	2.3	0.1	*	J	mg/kg	SW846 6010
Lead	7439-92-1	5.1	0.094	EN	J	mg/kg	SW846 6010

Location: PZ102
Sample ID: 04SB115 **Depth:** 7.0-8.0
COE Sample ID: FH004-SB115/04-01-98/7.0-8.0
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Mercury	7439-97-6	0.02	0.018	U	U	mg/kg	SW846 7471
Selenium	7782-49-2	0.22	0.22	WU	UJ	mg/kg	SW846 6010
Silver	7440-22-4	0.17	0.1	B		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	350	350	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	350	350	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	350	350	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	350	350	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	350	350	U	U	ug/kg	SW846 8270
2,2`-oxybis(1-chloropropane)	108-60-1	350	350	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	350	350	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	350	350	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	350	350	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	350	350	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	350	350	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	350	350	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	350	350	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	350	350	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	350	350	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	350	350	U	U	ug/kg	SW846 8270
3,3`-Dichlorobenzidine	91-94-1	690	690	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	350	350	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	350	350	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	350	350	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	350	350	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	350	350	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	350	350	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	350	350	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	350	350	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	350	350	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	350	350	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	350	350	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	350	350	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	350	350	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	350	350	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	350	350	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	350	350	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	350	350	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	350	350	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	350	350	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	350	350	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	350	350	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	350	350	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	350	350	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	350	350	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	350	350	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	350	350	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	350	350	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	350	350	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	350	350	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	350	350	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	350	350	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	350	350	U	U	ug/kg	SW846 8270

Location: PZ102
Sample ID: 04SB115 **Depth:** 7.0-8.0
COE Sample ID: FH004-SB115/04-01-98/7.0-8.0
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Isophorone	78-59-1	350	350	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	350	350	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	350	350	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	350	350	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	350	350	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	350	350	U	U	ug/kg	SW846 8270
Phenol	108-95-2	350	350	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	350	350	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	350	350	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260

Location: PZ102
Sample ID: 04SB115 **Depth:** 7.0-8.0
COE Sample ID: FH004-SB115/04-01-98/7.0-8.0
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: PZ102
Sample ID: FHGW169 **Depth:** NA
COE Sample ID: FH004-GW169/04-08-98
Date Collected: 4/8/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.5	2.1	B		ug/l	SW846 6010
Barium	7440-39-3	180	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U	U	ug/l	SW846 6010
Chromium	7440-47-3	1.2	1.0	B		ug/l	SW846 6010
Lead	7439-92-1	1.3	0.90	B		ug/l	SW846 6010
Mercury	7439-97-6	0.16	0.10	B		ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	U		ug/l	SW846 7740
Silver	7440-22-4	1	1.0	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270

Location: PZ102
Sample ID: FHGW169 **Depth:** NA
COE Sample ID: FH004-GW169/04-08-98
Date Collected: 4/8/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	7	50	JB	UJ	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	4	10	JB	UJ	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	1	10	J	J	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	1	10	J	J	ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	0	0.00	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8240

Location: PZ102
Sample ID: FHGW169 **Depth:** NA
COE Sample ID: FH004-GW169/04-08-98
Date Collected: 4/8/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8240
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8240
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8240
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8240
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8240
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8240
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8240

Location: PZ102
Sample ID: 04PZ102 **Depth:** NA
COE Sample ID: FH004-PZ102/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.9	2.9	U	U	ug/l	SW846 6010
Barium	7440-39-3	79.6	0.60	*	J	ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U	U	ug/l	SW846 6010
Chromium	7440-47-3	2.4	0.70	*B	J	ug/l	SW846 6010
Lead	7439-92-1	1.5	1.5	*U	UJ	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	NU	UJ	ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	NU	UJ	ug/l	SW846 7740
Silver	7440-22-4	1.4	1.4	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270

Location: PZ102
Sample ID: 04PZ102 **Depth:** NA
COE Sample ID: FH004-PZ102/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U	U	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	8	10	JB	UJ	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	1	10	J	J	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270

Location: PZ102
Sample ID: 04PZ102 **Depth:** NA
COE Sample ID: FH004-PZ102/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Phenol	108-95-2	3	10	J	J	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	10	10	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260

Location: PZ102
Sample ID: 04PZ102 **Depth:** NA
COE Sample ID: FH004-PZ102/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: PZ103
Sample ID: 04SB116 **Depth:** 10.4-11.4
COE Sample ID: FH004-SB116/04-08-98/10.4-11.4
Date Collected: 4/8/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.8	0.32			mg/kg	SW846 6010
Barium	7440-39-3	6.3	0.06			mg/kg	SW846 6010
Cadmium	7440-43-9	0.05	0.05	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	2.5	0.07			mg/kg	SW846 6010
Lead	7439-92-1	4.4	0.19			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7471
Selenium	7782-49-2	0.24	0.24	U	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.18	0.18	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	350	350	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	350	350	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	350	350	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	350	350	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	350	350	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	350	350	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	350	350	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	350	350	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	350	350	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	350	350	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	350	350	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	350	350	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	350	350	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	350	350	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	350	350	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	350	350	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	690	690	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	350	350	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	350	350	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	350	350	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	350	350	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	350	350	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	350	350	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	350	350	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	350	350	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	350	350	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	350	350	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	350	350	U	U	ug/kg	SW846 8270

Location: PZ103
Sample ID: 04SB116 **Depth:** 10.4-11.4
COE Sample ID: FH004-SB116/04-08-98/10.4-11.4
Date Collected: 4/8/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Benzo(g,h,i)perylene	191-24-2	350	350	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	350	350	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	210	1700	JB	J	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	350	350	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	350	350	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	350	350	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	350	350	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	350	350	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	350	350	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	350	350	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	350	350	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	350	350	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	350	350	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	350	350	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	350	350	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	350	350	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	350	350	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	350	350	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	350	350	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	350	350	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	350	350	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	350	350	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	350	350	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	350	350	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	350	350	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	350	350	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	350	350	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	350	350	U	U	ug/kg	SW846 8270
Phenol	108-95-2	350	350	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	350	350	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	350	350	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8240
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8240
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8240

Location: PZ103
Sample ID: 04SB116 **Depth:** 10.4-11.4
COE Sample ID: FH004-SB116/04-08-98/10.4-11.4
Date Collected: 4/8/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acetone	67-64-1	5	5	U	U	ug/kg	SW846 8240
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8240
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8240
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8240
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8240
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8240
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8240
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8240
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8240
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8240
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8240
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8240
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8240
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8240
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8240
Methylene Chloride	75-09-2	5	5	U	U	ug/kg	SW846 8240
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8240
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8240
Naphthalene	91-20-3	2	5	J	J	ug/kg	SW846 8240
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8240
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8240
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8240
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8240
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8240
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8240

Location: PZ103
Sample ID: 04PZ101 **Depth:** NA
COE Sample ID: FH004-PZ101/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	14.2	2.9			ug/l	SW846 6010
Barium	7440-39-3	456	0.60	*	J	ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U	U	ug/l	SW846 6010
Chromium	7440-47-3	5.4	0.70	*	J	ug/l	SW846 6010
Lead	7439-92-1	3.9	1.5	*	J	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	NU	UJ	ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	WNU	UJ	ug/l	SW846 7740
Silver	7440-22-4	1.4	1.4	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	2	10	J	J	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270

Location: PZ103
Sample ID: 04PZ101 **Depth:** NA
COE Sample ID: FH004-PZ101/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	6	50	J	J	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	3	10	JB	UJ	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	10	10	U	U	ug/l	SW846 8270

Location: PZ103
Sample ID: 04PZ101 **Depth:** NA
COE Sample ID: FH004-PZ101/06-01-98
Date Collected: 6/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	J	J	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	4	5	J	J	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: SB101
Sample ID: 04SB101 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB101/02-24-97/0.0-1.0
Date Collected: 2/24/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	8.2	0.39			mg/kg	SW846 6010
Barium	7440-39-3	87.5	0.09	E	J	mg/kg	SW846 6010
Cadmium	7440-43-9	0.16	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	15.5	0.09	E	J	mg/kg	SW846 6010
Lead	7439-92-1	13.2	0.16			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	0.27	0.26	B		mg/kg	SW846 7740
Silver	7440-22-4	0.22	0.22	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	380	380	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	380	380	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	380	380	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	380	380	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	380	380	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	380	380	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	380	380	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	380	380	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	380	380	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	380	380	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	380	380	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	380	380	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	380	380	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	380	380	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	380	380	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	380	380	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	770	770	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	380	380	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	380	380	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	380	380	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	380	380	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	380	380	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1900	1900	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	380	380	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	380	380	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	380	380	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	380	380	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	380	380	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	380	380	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	380	380	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	380	380	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	380	380	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	380	380	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	380	380	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	120	380	JB	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	380	380	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	380	380	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	380	380	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	380	380	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	380	380	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	380	380	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	380	380	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	380	380	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	380	380	U	U	ug/kg	SW846 8270

Location: SB101
Sample ID: 04SB101 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB101/02-24-97/0.0-1.0
Date Collected: 2/24/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	380	380	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	380	380	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	380	380	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	380	380	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	380	380	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	380	380	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	380	380	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	380	380	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	380	380	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	380	380	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	380	380	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	380	380	U	U	ug/kg	SW846 8270
Phenol	108-95-2	380	380	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	380	380	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	380	380	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	12	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260

Location: SB101
Sample ID: 04SB101 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB101/02-24-97/0.0-1.0
Date Collected: 2/24/97

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

Location: SB101
Sample ID: 04SB111 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB111/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.5	0.39	*	J	mg/kg	SW846 6010
Barium	7440-39-3	64.2	0.07			mg/kg	SW846 6010
Cadmium	7440-43-9	0.15	0.06	B		mg/kg	SW846 6010
Chromium	7440-47-3	9.7	0.09	EN*	J	mg/kg	SW846 6010
Lead	7439-92-1	8.8	0.22	E*	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.4	1.4	UWN	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.21	0.21	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	410	410	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	410	410	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	410	410	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	410	410	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	410	410	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	410	410	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2000	2000	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	410	410	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	410	410	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	410	410	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2000	2000	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	410	410	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	410	410	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	410	410	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	410	410	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	410	410	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	410	410	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2000	2000	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	410	410	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	820	820	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2000	2000	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2000	2000	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	410	410	U	U	ug/kg	SW846 8270

Location: SB101
Sample ID: 04SB111 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB111/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-chloro-3-methylphenol	59-50-7	410	410	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	410	410	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	410	410	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	410	410	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2000	2000	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2000	2000	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	410	410	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	410	410	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	410	410	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	410	410	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	410	410	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	410	410	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	410	410	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	410	410	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2000	2000	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	410	410	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	410	410	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	410	410	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	410	410	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	410	410	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	410	410	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	410	410	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	410	410	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	410	410	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	410	410	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	410	410	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	410	410	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	410	410	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	410	410	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	410	410	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	410	410	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	410	410	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	410	410	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	410	410	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	410	410	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	410	410	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	410	410	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	410	410	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	410	410	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2000	2000	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	410	410	U	U	ug/kg	SW846 8270
Phenol	108-95-2	410	410	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	410	410	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	410	410	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260

Location: SB101
Sample ID: 04SB111 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB111/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	15	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	5	6	J	J	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB101
Sample ID: FHGW143 **Depth:** NA
COE Sample ID: FH004-GW143/03-05-97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	19.5	2.1			ug/l	SW846 6010
Barium	7440-39-3	141	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U		ug/l	SW846 6010
Chromium	7440-47-3	1	1.0	U		ug/l	SW846 6010
Lead	7439-92-1	0.9	0.90	U		ug/l	SW846 6010

Location: SB101
Sample ID: FHGW143 **Depth:** NA
COE Sample ID: FH004-GW143/03-05-97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	U		ug/l	SW846 7740
Silver	7440-22-4	1	1.0	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	1	10	J	J	ug/l	SW846 8270
2,2`-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	1	50	J	J	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U	U	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270

Location: SB101
Sample ID: FHGW143 **Depth:** NA
COE Sample ID: FH004-GW143/03-05-97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	4	10	J	J	ug/l	SW846 8270
Naphthalene	91-20-3	5	10	J	J	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	3	5	J	J	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	22	5			ug/l	SW846 8260
Benzene	71-43-2	2	5	J	J	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	4	5	J	J	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	2	5	J	J	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	1	5	J	J	ug/l	SW846 8260

Location: SB101
Sample ID: FHGW143 **Depth:** NA
COE Sample ID: FH004-GW143/03-05-97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Naphthalene	91-20-3	9	5			ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	1	5	J	J	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: SB102
Sample ID: 04SB112 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB112/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.3	0.36	*	J	mg/kg	SW846 6010
Barium	7440-39-3	31.7	0.07			mg/kg	SW846 6010
Cadmium	7440-43-9	0.1	0.06	B		mg/kg	SW846 6010
Chromium	7440-47-3	5.3	0.08	EN*	J	mg/kg	SW846 6010
Lead	7439-92-1	5.8	0.21	E*	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.3	1.3	UWN	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.2	0.20	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	380	380	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	380	380	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	380	380	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	380	380	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	380	380	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	380	380	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	380	380	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	380	380	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	380	380	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	380	380	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	380	380	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	380	380	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	380	380	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	380	380	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	380	380	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	380	380	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	770	770	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	380	380	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	380	380	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	380	380	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	380	380	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	380	380	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U	U	ug/kg	SW846 8270

Location: SB102
Sample ID: 04SB112 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB112/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Nitrophenol	100-02-7	1900	1900	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	380	380	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	380	380	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	380	380	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	380	380	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	380	380	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	380	380	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	380	380	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	380	380	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	380	380	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	380	380	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	380	380	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	380	380	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	380	380	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	380	380	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	380	380	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	380	380	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	380	380	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	380	380	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	380	380	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	380	380	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	380	380	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	380	380	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	380	380	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	380	380	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	380	380	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	380	380	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	380	380	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	380	380	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	380	380	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	380	380	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	380	380	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	380	380	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	380	380	U	U	ug/kg	SW846 8270
Phenol	108-95-2	380	380	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	380	380	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	380	380	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260

Location: SB102
Sample ID: 04SB112 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB112/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	16	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	5	6	J	J	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB103
Sample ID: 04SB113 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB113/03-06-97/1525
Date Collected: 3/6/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.9	0.36			mg/kg	SW846 6010
Barium	7440-39-3	36.6	0.07	E	J	mg/kg	SW846 6010
Cadmium	7440-43-9	0.06	0.06	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	4.1	0.08	E	J	mg/kg	SW846 6010
Lead	7439-92-1	6	0.21			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.3	1.3	UW	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.2	0.20	U	U	mg/kg	SW846 6010

Location: SB103
Sample ID: 04SB113 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB113/03-06-97/1525
Date Collected: 3/6/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	380	380	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	380	380	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	380	380	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	380	380	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	380	380	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	380	380	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1800	1800	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	380	380	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	380	380	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	380	380	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	380	380	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	380	380	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	380	380	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	380	380	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	380	380	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	380	380	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	380	380	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	760	760	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	380	380	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	380	380	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	380	380	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	380	380	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	380	380	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	380	380	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	380	380	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	380	380	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	380	380	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	380	380	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	380	380	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	380	380	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	380	380	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	380	380	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	380	380	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	380	380	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	380	380	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	380	380	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	380	380	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	380	380	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	380	380	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	380	380	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	380	380	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	380	380	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	380	380	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	380	380	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	380	380	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	380	380	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	380	380	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	380	380	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	380	380	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	380	380	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	380	380	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	380	380	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	380	380	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	380	380	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	380	380	U	U	ug/kg	SW846 8270

Location: SB103
Sample ID: 04SB113 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB113/03-06-97/1525
Date Collected: 3/6/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Pentachlorophenol	87-86-5	1800	1800	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	380	380	U	U	ug/kg	SW846 8270
Phenol	108-95-2	380	380	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	380	380	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	380	380	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	39	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	J	J	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260

Location: SB103
Sample ID: 04SB113 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB113/03-06-97/1525
Date Collected: 3/6/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB103
Sample ID: FHGW150 **Depth:** NA
COE Sample ID: FH004-GW150/03-07-97
Date Collected: 3/7/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	13.7	2.1			ug/l	SW846 6010
Barium	7440-39-3	268	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U	U	ug/l	SW846 6010
Chromium	7440-47-3	1	1.0	U	U	ug/l	SW846 6010
Lead	7439-92-1	0.9	0.90	U	U	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	UW	UJ	ug/l	SW846 7740
Silver	7440-22-4	1	1.0	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	4	10	J	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	2	10	J	J	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	2	10	J	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270

Location: SB103
Sample ID: FHGW150 **Depth:** NA
COE Sample ID: FH004-GW150/03-07-97
Date Collected: 3/7/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	2	50	J	J	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	5	10	J	J	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	6	10	J	J	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	1	10	J	J	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	8	5			ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	1	5	J	J	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	14	5			ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260

Location: SB103
Sample ID: FHGW150 **Depth:** NA
COE Sample ID: FH004-GW150/03-07-97
Date Collected: 3/7/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5			ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	22	5			ug/l	SW846 8260
Chloroethane	75-00-3	3	5	J	J	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	29	5			ug/l	SW846 8260
Ethylbenzene	100-41-4	4	5	J	J	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	3	5	J	J	ug/l	SW846 8260
m,p-Xylene	13-302-07	16	5			ug/l	SW846 8260
Methylene Chloride	75-09-2	8	5		U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	3	5	J	J	ug/l	SW846 8260
Naphthalene	91-20-3	16	5			ug/l	SW846 8260
o-Xylene	95-47-6	3	5	J	J	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	86	5			ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: SB104
Sample ID: 04SB108 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB108/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.9	0.35	*	J	mg/kg	SW846 6010
Barium	7440-39-3	60.8	0.07			mg/kg	SW846 6010
Cadmium	7440-43-9	0.14	0.06	B		mg/kg	SW846 6010
Chromium	7440-47-3	10.3	0.08	EN*	J	mg/kg	SW846 6010
Lead	7439-92-1	9.1	0.20	E*	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.2	1.2	UWN	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.19	0.19	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	370	370	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	370	370	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	370	370	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	370	370	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	370	370	U	U	ug/kg	SW846 8270

Location: SB104
Sample ID: 04SB108 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB108/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,2'-oxybis(1-chloropropane)	108-60-1	370	370	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1800	1800	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	370	370	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	370	370	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	370	370	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	370	370	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	370	370	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	370	370	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	370	370	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	370	370	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	370	370	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	370	370	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	740	740	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	370	370	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	370	370	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	370	370	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	370	370	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	370	370	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	370	370	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	370	370	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	370	370	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	370	370	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	370	370	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	370	370	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	370	370	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	370	370	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	370	370	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	370	370	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	370	370	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	370	370	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	370	370	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	370	370	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	370	370	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	370	370	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	370	370	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	370	370	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	370	370	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	370	370	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	370	370	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	370	370	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	370	370	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	370	370	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	370	370	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	370	370	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	370	370	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	370	370	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	370	370	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	370	370	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	370	370	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	370	370	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	370	370	U	U	ug/kg	SW846 8270
Phenol	108-95-2	370	370	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	370	370	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	370	370	U	U	ug/kg	SW846 8270

Location: SB104
Sample ID: 04SB108 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB108/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	12	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	8	6			ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB104
Sample ID: 04SB109 **Depth:** 15.0-15.5
COE Sample ID: FH004-SB109/03-04-97/15.0-15.5
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	1.9	0.34	*	J	mg/kg	SW846 6010
Barium	7440-39-3	5	0.07			mg/kg	SW846 6010
Cadmium	7440-43-9	0.05	0.05	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	2	0.08	EN*	J	mg/kg	SW846 6010
Lead	7439-92-1	3.9	0.20	E*	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.2	1.2	UWN	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.19	0.19	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	360	360	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	360	360	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	360	360	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	360	360	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	360	360	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	360	360	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1800	1800	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	360	360	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	360	360	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	360	360	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	360	360	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	360	360	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	360	360	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	360	360	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	360	360	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	720	720	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	360	360	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	360	360	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	360	360	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	360	360	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	360	360	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	360	360	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	360	360	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	360	360	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	360	360	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	360	360	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	360	360	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	360	360	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	360	360	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	360	360	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	360	360	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	360	360	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	360	360	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	360	360	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	360	360	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	360	360	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	360	360	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	360	360	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	360	360	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	360	360	U	U	ug/kg	SW846 8270

Location: SB104
Sample ID: 04SB109 **Depth:** 15.0-15.5
COE Sample ID: FH004-SB109/03-04-97/15.0-15.5
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	360	360	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	360	360	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	360	360	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	360	360	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	360	360	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	360	360	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	360	360	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	360	360	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	360	360	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	360	360	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	360	360	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	360	360	U	U	ug/kg	SW846 8270
Phenol	108-95-2	360	360	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	360	360	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	360	360	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	8	5		U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260

Location: SB104
Sample ID: 04SB109 **Depth:** 15.0-15.5
COE Sample ID: FH004-SB109/03-04-97/15.0-15.5
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	15	5			ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB104
Sample ID: 04SB110 **Depth:** 18.0-19.0
COE Sample ID: FH004-SB110/03-04-97/18.0-19.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	0.99	0.34	B*	J	mg/kg	SW846 6010
Barium	7440-39-3	5.1	0.07			mg/kg	SW846 6010
Cadmium	7440-43-9	0.05	0.05	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	3.5	0.08	EN*	J	mg/kg	SW846 6010
Lead	7439-92-1	4.5	0.20	E*	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.2	1.2	UWN	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.19	0.19	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	360	360	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	360	360	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	360	360	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	360	360	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	360	360	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	360	360	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	360	360	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	360	360	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	360	360	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	360	360	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	360	360	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	360	360	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	360	360	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	360	360	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	720	720	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	360	360	U	U	ug/kg	SW846 8270

Location: SB104
Sample ID: 04SB110 **Depth:** 18.0-19.0
COE Sample ID: FH004-SB110/03-04-97/18.0-19.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-chloro-3-methylphenol	59-50-7	360	360	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	360	360	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	360	360	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	360	360	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	360	360	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	360	360	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	360	360	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	360	360	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	360	360	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	360	360	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	360	360	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	360	360	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	360	360	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	360	360	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	360	360	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	360	360	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	360	360	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	360	360	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	360	360	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	360	360	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	360	360	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	360	360	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	360	360	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	360	360	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	360	360	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	360	360	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	360	360	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	360	360	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	360	360	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	360	360	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	360	360	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	360	360	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	360	360	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	360	360	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	360	360	U	U	ug/kg	SW846 8270
Phenol	108-95-2	360	360	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	360	360	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	360	360	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260

Location: SB104
Sample ID: 04SB110 **Depth:** 18.0-19.0
COE Sample ID: FH004-SB110/03-04-97/18.0-19.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	20	5		U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	16	5			ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 04SB106 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB106/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.6	0.37	*	J	mg/kg	SW846 6010
Barium	7440-39-3	25.4	0.07			mg/kg	SW846 6010
Cadmium	7440-43-9	0.08	0.06	B		mg/kg	SW846 6010
Chromium	7440-47-3	9.8	0.08	EN*	J	mg/kg	SW846 6010
Lead	7439-92-1	31.5	0.22	E*	J	mg/kg	SW846 6010

Location: SB105
Sample ID: 04SB106 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB106/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.3	1.3	UWN	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.2	0.20	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	400	400	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	400	400	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	400	400	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	400	400	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	44	400	J	J	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	400	400	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1900	1900	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	400	400	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	400	400	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	400	400	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1900	1900	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	400	400	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	400	400	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	400	400	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	400	400	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	400	400	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	400	400	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1900	1900	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	400	400	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	800	800	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1900	1900	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	400	400	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	78	400	J	J	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	400	400	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	400	400	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	400	400	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1900	1900	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	42	1900	J	J	ug/kg	SW846 8270
Acenaphthene	83-32-9	46	400	J	J	ug/kg	SW846 8270
Acenaphthylene	208-96-8	400	400	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	400	400	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	400	400	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	400	400	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	400	400	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	400	400	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	400	400	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1900	1900	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	400	400	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	400	400	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	400	400	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	400	400	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	400	400	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	400	400	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	400	400	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	400	400	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	400	400	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	400	400	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	400	400	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	400	400	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	400	400	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	400	400	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	400	400	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	400	400	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	400	400	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	400	400	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	400	400	U	U	ug/kg	SW846 8270

Location: SB105
Sample ID: 04SB106 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB106/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Isophorone	78-59-1	400	400	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	400	400	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	400	400	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	400	400	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	400	400	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1900	1900	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	400	400	U	U	ug/kg	SW846 8270
Phenol	108-95-2	400	400	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	50	400	J	J	ug/kg	SW846 8270
Pyridine	110-86-1	400	400	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	8	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 04SB106 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB106/03-04-97/0.0-1.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 04SB107 **Depth:** 15.0-16.0
COE Sample ID: FH004-SB107/03-04-97/15.0-16.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	0.76	0.35	B*	J	mg/kg	SW846 6010
Barium	7440-39-3	14.9	0.07			mg/kg	SW846 6010
Cadmium	7440-43-9	0.1	0.06	B		mg/kg	SW846 6010
Chromium	7440-47-3	2.1	0.08	EN*	J	mg/kg	SW846 6010
Lead	7439-92-1	2.8	0.20	E*	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.2	1.2	UN	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.19	0.19	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	370	370	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	370	370	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	370	370	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	370	370	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	370	370	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	370	370	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1800	1800	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	370	370	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	370	370	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	370	370	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1800	1800	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	370	370	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	370	370	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	370	370	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	370	370	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	370	370	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	370	370	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1800	1800	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	370	370	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	740	740	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1800	1800	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1800	1800	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	370	370	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	370	370	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	370	370	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	370	370	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	370	370	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1800	1800	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1800	1800	U	U	ug/kg	SW846 8270

Location: SB105
Sample ID: 04SB107 **Depth:** 15.0-16.0
COE Sample ID: FH004-SB107/03-04-97/15.0-16.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthene	83-32-9	370	370	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	370	370	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	370	370	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	370	370	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	370	370	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	370	370	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	370	370	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	370	370	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1800	1800	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	370	370	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	370	370	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	370	370	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	370	370	U	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	370	370	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	370	370	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	370	370	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	370	370	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	370	370	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	370	370	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	370	370	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	370	370	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	370	370	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	370	370	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	370	370	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	370	370	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	370	370	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	370	370	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	370	370	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	370	370	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	370	370	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	370	370	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	370	370	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	370	370	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1800	1800	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	370	370	U	U	ug/kg	SW846 8270
Phenol	108-95-2	370	370	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	370	370	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	370	370	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: 04SB107 **Depth:** 15.0-16.0
COE Sample ID: FH004-SB107/03-04-97/15.0-16.0
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	21	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	9	6			ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB105
Sample ID: FHGW144 **Depth:** NA
COE Sample ID: FH004-GW144/03-05-97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	13.8	2.1			ug/l	SW846 6010
Barium	7440-39-3	218	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U		ug/l	SW846 6010
Chromium	7440-47-3	1	1.0	U		ug/l	SW846 6010
Lead	7439-92-1	0.9	0.90	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	U		ug/l	SW846 7740
Silver	7440-22-4	1	1.0	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270

Location: SB105
Sample ID: FHGW144 **Depth:** NA
COE Sample ID: FH004-GW144/03-05-97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	6	10	J	J	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	1	10	J	J	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	4	10	J	J	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U	U	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U	U	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	3	10	J	J	ug/l	SW846 8270
Naphthalene	91-20-3	14	10			ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270

Location: SB105
Sample ID: FHGW144 **Depth:** NA
COE Sample ID: FH004-GW144/03-05-97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	1	5	J	J	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	11	5			ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	18	5			ug/l	SW846 8260
Benzene	71-43-2	3	5	J	J	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	15	5			ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	2	5	J	J	ug/l	SW846 8260
m,p-Xylene	13-302-07	2	5	J	J	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	1	5	J	J	ug/l	SW846 8260
n-propylbenzene	103-65-1	2	5	J	J	ug/l	SW846 8260
Naphthalene	91-20-3	27	5			ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260

Location: SB105
Sample ID: FHGW144 **Depth:** NA
COE Sample ID: FH004-GW144/03-05-97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: SB106
Sample ID: FHGW137 **Depth:** NA
COE Sample ID: FH004-GW137/02-25-97
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	8.5	2.1	B		ug/l	SW846 6010
Barium	7440-39-3	112	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U	U	ug/l	SW846 6010
Chromium	7440-47-3	1	1.0	U	U	ug/l	SW846 6010
Lead	7439-92-1	0.9	0.90	U	U	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 7470
Selenium	7782-49-2	3.3	2.2	BN	J	ug/l	SW846 7740
Silver	7440-22-4	1	1.0	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	5	10	J	J	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	6	10	J	J	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270

Location: SB106
Sample ID: FHGW137 **Depth:** NA
COE Sample ID: FH004-GW137/02-25-97
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	7	50	J	J	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	2	10	J	J	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	2	10	J	U	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	1	10	J	J	ug/l	SW846 8270
Naphthalene	91-20-3	8	10	J	J	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	3	50	J	J	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	43	5			ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	10	5			ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	2	5	J	J	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260

Location: SB106
Sample ID: FHGW137 **Depth:** NA
COE Sample ID: FH004-GW137/02-25-97
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acetone	67-64-1	31	5		U	ug/l	SW846 8260
Benzene	71-43-2	2	5	J	J	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	J	J	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	6	5			ug/l	SW846 8260
m,p-Xylene	13-302-07	33	5			ug/l	SW846 8260
Methylene Chloride	75-09-2	4	5	J	J	ug/l	SW846 8260
n-Butylbenzene	104-51-8	2	5	J	J	ug/l	SW846 8260
n-propylbenzene	103-65-1	7	5			ug/l	SW846 8260
Naphthalene	91-20-3	22	5			ug/l	SW846 8260
o-Xylene	95-47-6	3	5	J	J	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	1	5	J	J	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: SB107
Sample ID: 04SB104 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB104/02-25-97/0.0-1.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.5	0.41			mg/kg	SW846 6010
Barium	7440-39-3	46	0.10	E	J	mg/kg	SW846 6010
Cadmium	7440-43-9	0.08	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	7.5	0.10	E	J	mg/kg	SW846 6010
Lead	7439-92-1	7.3	0.17			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.4	1.4	UW	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.23	0.23	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	410	410	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	410	410	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	410	410	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	410	410	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	410	410	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	410	410	U	U	ug/kg	SW846 8270

Location: SB107
Sample ID: 04SB104 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB104/02-25-97/0.0-1.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,4,5-Trichlorophenol	95-95-4	2000	2000	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	410	410	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	410	410	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	410	410	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2000	2000	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	410	410	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	410	410	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	410	410	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	410	410	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	410	410	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	410	410	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2000	2000	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	410	410	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	810	810	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2000	2000	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2000	2000	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	410	410	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	410	410	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	410	410	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	410	410	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	410	410	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2000	2000	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2000	2000	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	410	410	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	410	410	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	410	410	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	410	410	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	410	410	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	410	410	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	410	410	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	410	410	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2000	2000	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	410	410	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	410	410	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	410	410	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	93	410	JB	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	410	410	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	410	410	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	410	410	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	410	410	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	410	410	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	410	410	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	410	410	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	410	410	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	410	410	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	410	410	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	410	410	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	410	410	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	410	410	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	410	410	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	410	410	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	410	410	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	410	410	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	410	410	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	410	410	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	410	410	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2000	2000	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	410	410	U	U	ug/kg	SW846 8270
Phenol	108-95-2	410	410	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	410	410	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	410	410	U	U	ug/kg	SW846 8270

Location: SB107
Sample ID: 04SB104 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB104/02-25-97/0.0-1.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	6	6	U	U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 04SB105 **Depth:** 11.0-12.0
COE Sample ID: FH004-SB105/02-25-97/11.0-12.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	1.6	0.40			mg/kg	SW846 6010
Barium	7440-39-3	7	0.10	E	J	mg/kg	SW846 6010
Cadmium	7440-43-9	0.72	0.05			mg/kg	SW846 6010
Chromium	7440-47-3	3.6	0.10	E	J	mg/kg	SW846 6010
Lead	7439-92-1	6.3	0.17			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.3	1.3	UW	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.23	0.23	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	400	400	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	400	400	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	400	400	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	400	400	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	400	400	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	400	400	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2000	2000	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	400	400	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	400	400	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	400	400	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2000	2000	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	400	400	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	400	400	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	400	400	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	400	400	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	66	400	J	J	ug/kg	SW846 8270
2-Methylphenol	95-48-7	400	400	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2000	2000	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	400	400	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	800	800	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2000	2000	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2000	2000	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	400	400	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	400	400	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	400	400	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	400	400	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	400	400	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2000	2000	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2000	2000	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	400	400	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	400	400	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	400	400	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	400	400	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	400	400	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	400	400	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	400	400	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	400	400	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2000	2000	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	400	400	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	400	400	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	400	400	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	1900	400	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	400	400	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	400	400	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	400	400	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	400	400	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	400	400	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	400	400	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	400	400	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	400	400	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	400	400	U	U	ug/kg	SW846 8270

Location: SB107
Sample ID: 04SB105 **Depth:** 11.0-12.0
COE Sample ID: FH004-SB105/02-25-97/11.0-12.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	400	400	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	400	400	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	400	400	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	400	400	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	400	400	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	400	400	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	400	400	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	400	400	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	400	400	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	60	400	J	J	ug/kg	SW846 8270
Nitrobenzene	98-95-3	400	400	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2000	2000	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	400	400	U	U	ug/kg	SW846 8270
Phenol	108-95-2	400	400	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	400	400	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	400	400	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	6	J	J	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	6	J	J	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	53	6			ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	34	6			ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: 04SB105 **Depth:** 11.0-12.0
COE Sample ID: FH004-SB105/02-25-97/11.0-12.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	32	6			ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	2	6	J	J	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB107
Sample ID: FHGW139 **Depth:** NA
COE Sample ID: FH004-GW139/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.5	2.5	U	U	ug/l	SW846 6010
Barium	7440-39-3	186	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U	U	ug/l	SW846 6010
Chromium	7440-47-3	1.4	0.80	B	U	ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U	U	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.2	2.2	U	U	ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	5	10	J	J	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	6	10	JB	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270

Location: SB107
Sample ID: FHGW139 **Depth:** NA
COE Sample ID: FH004-GW139/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	3	10	J	J	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	1	10	J	J	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	1	50	J	J	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	14	10			ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	2	10	J	J	ug/l	SW846 8270
Naphthalene	91-20-3	43	10			ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	5			ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	1	5	J	J	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260

Location: SB107
Sample ID: FHGW139 **Depth:** NA
COE Sample ID: FH004-GW139/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	15	5			ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	69	5			ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	12	5			ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	2	5	J	J	ug/l	SW846 8260
m,p-Xylene	13-302-07	3	5	J	J	ug/l	SW846 8260
Methylene Chloride	75-09-2	3	5	JB	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	2	5	J	J	ug/l	SW846 8260
Naphthalene	91-20-3	160	5			ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	1	5	J	J	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: SB108
Sample ID: 04SB102 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB102/02-25-97/0.0-1.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.7	0.41			mg/kg	SW846 6010
Barium	7440-39-3	20.1	0.10	E	J	mg/kg	SW846 6010
Cadmium	7440-43-9	0.08	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	2.9	0.10	E	J	mg/kg	SW846 6010
Lead	7439-92-1	3	0.17			mg/kg	SW846 6010

Location: SB108
Sample ID: 04SB102 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB102/02-25-97/0.0-1.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.4	1.4	UW	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.24	0.24	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	410	410	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	410	410	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	410	410	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	410	410	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	410	410	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	410	410	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2000	2000	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	410	410	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	410	410	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	410	410	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2000	2000	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	410	410	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	410	410	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	410	410	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	410	410	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	410	410	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	410	410	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2000	2000	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	410	410	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	820	820	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2000	2000	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2000	2000	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	410	410	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	410	410	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	410	410	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	410	410	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	410	410	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2000	2000	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2000	2000	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	410	410	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	410	410	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	410	410	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	410	410	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	410	410	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	410	410	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	410	410	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	410	410	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2000	2000	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	410	410	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	410	410	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	410	410	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	81	410	JB	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	410	410	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	410	410	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	410	410	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	410	410	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	410	410	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	410	410	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	410	410	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	410	410	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	410	410	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	410	410	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	410	410	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	410	410	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	410	410	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	410	410	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	410	410	U	U	ug/kg	SW846 8270

Location: SB108
Sample ID: 04SB102 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB102/02-25-97/0.0-1.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Isophorone	78-59-1	410	410	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	410	410	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	410	410	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	410	410	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	410	410	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2000	2000	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	410	410	U	U	ug/kg	SW846 8270
Phenol	108-95-2	410	410	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	410	410	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	410	410	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	6	6	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	6	6	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	6	6	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	6	6	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	6	6	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	6	6	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	6	6	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	6	6	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	6	6	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	6	6	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	6	6	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	6	6	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	6	6	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	6	6	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	6	6	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	6	6	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	6	6	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	6	6	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	6	6	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	6	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	6	6	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	6	6	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	6	6	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	6	6	U	U	ug/kg	SW846 8260
Acetone	67-64-1	8	6		U	ug/kg	SW846 8260
Benzene	71-43-2	6	6	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	6	6	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	6	6	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	6	6	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	6	6	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	6	6	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	6	6	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	6	6	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	6	6	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	6	6	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	6	6	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	6	6	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	6	6	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	6	6	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	6	6	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	6	6	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	6	6	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	6	6	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	6	6	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	6	6	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	6	6	U	U	ug/kg	SW846 8260

Location: SB108
Sample ID: 04SB102 **Depth:** 0.0-1.0
COE Sample ID: FH004-SB102/02-25-97/0.0-1.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Naphthalene	91-20-3	6	6	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	6	6	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	6	6	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	6	6	U	U	ug/kg	SW846 8260
Styrene	100-42-5	6	6	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	6	6	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	6	6	U	U	ug/kg	SW846 8260
Toluene	108-88-3	6	6	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	6	6	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	6	6	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	6	6	U	U	ug/kg	SW846 8260

Location: SB108
Sample ID: 04SB103 **Depth:** 14.0-15.0
COE Sample ID: FH004-SB103/02-25-97/14.0-15.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	1.6	0.36			mg/kg	SW846 6010
Barium	7440-39-3	4.9	0.09	E	J	mg/kg	SW846 6010
Cadmium	7440-43-9	0.04	0.04	U	U	mg/kg	SW846 6010
Chromium	7440-47-3	1.9	0.09	E	J	mg/kg	SW846 6010
Lead	7439-92-1	2.9	0.15			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 7470
Selenium	7782-49-2	1.2	1.2	U	U	mg/kg	SW846 7740
Silver	7440-22-4	0.21	0.21	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	360	360	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	360	360	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	360	360	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	360	360	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	360	360	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	360	360	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	1700	1700	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	360	360	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	360	360	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	1700	1700	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	360	360	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	360	360	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	360	360	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	360	360	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	360	360	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	360	360	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	1700	1700	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	360	360	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	720	720	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	1700	1700	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	1700	1700	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	360	360	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	360	360	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	360	360	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	360	360	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	360	360	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	1700	1700	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	1700	1700	U	U	ug/kg	SW846 8270

Location: SB108
Sample ID: 04SB103 **Depth:** 14.0-15.0
COE Sample ID: FH004-SB103/02-25-97/14.0-15.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthene	83-32-9	360	360	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	360	360	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	360	360	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	360	360	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	360	360	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	360	360	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	360	360	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	360	360	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	1700	1700	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	360	360	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	360	360	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	49	360	JB	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	360	360	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	360	360	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	360	360	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	360	360	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	360	360	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	360	360	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	360	360	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	360	360	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	360	360	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	360	360	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	360	360	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	360	360	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	360	360	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	360	360	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	360	360	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	360	360	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	360	360	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	360	360	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	360	360	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	360	360	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	1700	1700	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	360	360	U	U	ug/kg	SW846 8270
Phenol	108-95-2	360	360	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	360	360	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	360	360	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/kg	SW846 8260

Location: SB108
Sample ID: 04SB103 **Depth:** 14.0-15.0
COE Sample ID: FH004-SB103/02-25-97/14.0-15.0
Date Collected: 2/25/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/kg	SW846 8260
Acetone	67-64-1	24	5		U	ug/kg	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/kg	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/kg	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/kg	SW846 8260

Location: SB108
Sample ID: FHGW138 **Depth:** NA
COE Sample ID: FH004-GW138/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.7	2.5	B		ug/l	SW846 6010
Barium	7440-39-3	57.3	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U	U	ug/l	SW846 6010
Chromium	7440-47-3	1.2	0.80	B	U	ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U	U	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.2	2.2	U	U	ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270

Location: SB108
Sample ID: FHGW138 **Depth:** NA
COE Sample ID: FH004-GW138/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2`-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	1	10	JB	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U	U	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U	U	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	2	10	J	J	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270

Location: SB108
Sample ID: FHGW138 **Depth:** NA
COE Sample ID: FH004-GW138/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	4	5	J	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260

Location: SB108
Sample ID: FHGW138 **Depth:** NA
COE Sample ID: FH004-GW138/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: TB076 **Depth:** NA
COE Sample ID: FH004-TB076/02-24-97
Date Collected: 2/24/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: TB076 **Depth:** NA
COE Sample ID: FH004-TB076/02-24-97
Date Collected: 2/24/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	2	5	J	J	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: ER057 **Depth:** NA
COE Sample ID: FH004-ER057/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.5	2.5	U		ug/l	SW846 6010
Barium	7440-39-3	0.3	0.30	U		ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	1.1	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	2.2	2.2	U		ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	100	100	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	100	100	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	100	100	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	100	100	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	100	100	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	100	100	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	500	500	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	100	100	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	100	100	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	27	100	J	J	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	500	500	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	100	100	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	100	100	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	100	100	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	100	100	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	1800	100	EB		ug/l	SW846 8270
2-Methylphenol	95-48-7	33	100	J	J	ug/l	SW846 8270
2-Nitroaniline	88-74-4	500	500	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	100	100	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	200	200	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	500	500	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	500	500	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	100	100	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	100	100	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	100	100	U	U	ug/l	SW846 8270

Location: NA
Sample ID: ER057 **Depth:** NA
COE Sample ID: FH004-ER057/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Chlorophenyl-phenylether	7005-72-3	100	100	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	19	100	J	J	ug/l	SW846 8270
4-Nitroaniline	100-01-6	500	500	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	500	500	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	100	100	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	100	100	U	U	ug/l	SW846 8270
Anthracene	120-12-7	100	100	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	100	100	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	100	100	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	100	100	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	100	100	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	100	100	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	18	500	J	J	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	100	100	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	100	100	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	100	100	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	100	100	U	U	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	100	100	U	U	ug/l	SW846 8270
Chrysene	218-01-9	100	100	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	100	100	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	100	100	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	100	100	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	100	100	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	100	100	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	100	100	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	100	100	U	U	ug/l	SW846 8270
Fluorene	86-73-7	100	100	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	100	100	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	100	100	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	100	100	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	100	100	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	100	100	U	U	ug/l	SW846 8270
Isophorone	78-59-1	100	100	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	100	100	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	100	100	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	2900	100	E		ug/l	SW846 8270
Nitrobenzene	98-95-3	100	100	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	500	500	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	100	100	U	U	ug/l	SW846 8270
Phenol	108-95-2	100	100	U	U	ug/l	SW846 8270
Pyrene	129-00-0	100	100	U	U	ug/l	SW846 8270
Pyridine	110-86-1	500	500	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: ER057 **Depth:** NA
COE Sample ID: FH004-ER057/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	13	5			ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: TB081 **Depth:** NA
COE Sample ID: FH004-TB081/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: TB081 **Depth:** NA
COE Sample ID: FH004-TB081/02-26-97
Date Collected: 2/26/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	10	5			ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: ER059 **Depth:** NA
COE Sample ID: FH004-ER059/02-28-97
Date Collected: 2/28/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.1	2.1	U	U	ug/l	SW846 6010
Barium	7440-39-3	0.3	0.30	U	U	ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U	U	ug/l	SW846 6010
Chromium	7440-47-3	3.2	1.0	B		ug/l	SW846 6010
Lead	7439-92-1	0.9	0.90	U	U	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.2	2.2	UW	UJ	ug/l	SW846 6010
Silver	7440-22-4	1	1.0	U	U	ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U	U	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	1	10	JB	J	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270

Location: NA
Sample ID: ER059 **Depth:** NA
COE Sample ID: FH004-ER059/02-28-97
Date Collected: 2/28/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: ER059 **Depth:** NA
COE Sample ID: FH004-ER059/02-28-97
Date Collected: 2/28/97

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

Location: NA
Sample ID: TB084 **Depth:** NA
COE Sample ID: FH004-TB084/03-04-97
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	1	5	J	J	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: TB084 **Depth:** NA
COE Sample ID: FH004-TB084/03-04-97
Date Collected: 3/4/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	1	5	J	J	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: ER060 **Depth:** NA
COE Sample ID: FH004-ER060/03/05/97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.4	2.1	B		ug/l	SW846 6010
Barium	7440-39-3	0.3	0.30	U		ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U		ug/l	SW846 6010
Chromium	7440-47-3	1.9	1.0	B		ug/l	SW846 6010
Lead	7439-92-1	0.9	0.90	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	U		ug/l	SW846 7740
Silver	7440-22-4	1	1.0	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U	U	ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270

Location: NA
Sample ID: ER060 **Depth:** NA
COE Sample ID: FH004-ER060/03/05/97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U	U	ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	1	10	J	J	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: ER060 **Depth:** NA
COE Sample ID: FH004-ER060/03/05/97
Date Collected: 3/5/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	19	5			ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	7	5			ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: TB091 **Depth:** NA
COE Sample ID: FH004-TB091/03-07-97
Date Collected: 3/7/97

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U	U	ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U	U	ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U	U	ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U	U	ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U	U	ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U	U	ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U	U	ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U	U	ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U	U	ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U	U	ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U	U	ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U	U	ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U	U	ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U	U	ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U	U	ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U	U	ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U	U	ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U	U	ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U	U	ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U	U	ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U	U	ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U	U	ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U	U	ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U	U	ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U	U	ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U	U	ug/l	SW846 8260
Acetone	67-64-1	5	5	U	U	ug/l	SW846 8260
Benzene	71-43-2	5	5	U	U	ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U	U	ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U	U	ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U	U	ug/l	SW846 8260
Bromoform	75-25-2	5	5	U	U	ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U	U	ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U	U	ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U	U	ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U	U	ug/l	SW846 8260
Chloroform	67-66-3	5	5	U	U	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U	U	ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U	U	ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U	U	ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U	U	ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U	U	ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U	U	ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U	U	ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U	U	ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U	U	ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U	U	ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U	U	ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U	U	ug/l	SW846 8260
Styrene	100-42-5	5	5	U	U	ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U	U	ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U	U	ug/l	SW846 8260
Toluene	108-88-3	5	5	U	U	ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U	U	ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U	U	ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U	U	ug/l	SW846 8260

Location: NA
Sample ID: ER088 **Depth:** NA
COE Sample ID: FH004-ER088/04-01-98
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.1	2.1	U		ug/l	SW846 6010
Barium	7440-39-3	0.37	0.3	B		ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.3	U		ug/l	SW846 6010
Chromium	7440-47-3	1	1.0	U		ug/l	SW846 6010
Lead	7439-92-1	0.9	0.9	U		ug/l	SW846 6010
Mercury	7439-97-6	0.22	0.1			ug/l	SW846 7470
Selenium	7782-49-2	2	2.0	U		ug/l	SW846 6010
Silver	7440-22-4	1	1.0	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	51	51	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	51	51	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	51	51	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	51	51	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	51	51	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270
4-Nitroaniline	100-01-6	51	51	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	51	51	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	9	51	J		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	1	10	J		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	2	10	J		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	2	10	J		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270

Location: NA
Sample ID: ER088 **Depth:** NA
COE Sample ID: FH004-ER088/04-01-98
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	51	51	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	11	10			ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	10	10	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8260
Acetone	67-64-1	42	5			ug/l	SW846 8260
Benzene	71-43-2	5	5	U		ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8260
Bromoform	75-25-2	5	5	U		ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8260
Chloroform	67-66-3	5	5	U		ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8260

Location: NA
Sample ID: ER088 **Depth:** NA
COE Sample ID: FH004-ER088/04-01-98
Date Collected: 4/1/98

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

Location: NA
Sample ID: ER089 **Depth:** NA
COE Sample ID: FH004-ER089/04-01-98
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.1	2.1	U		ug/l	SW846 6010
Barium	7440-39-3	0.47	0.3	B		ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.3	U		ug/l	SW846 6010
Chromium	7440-47-3	1	1.0	U		ug/l	SW846 6010
Lead	7439-92-1	0.9	0.9	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.1	U		ug/l	SW846 7470
Selenium	7782-49-2	2	2.0	U		ug/l	SW846 6010
Silver	7440-22-4	1	1.0	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	51	51	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	51	51	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	51	51	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	51	51	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	51	51	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270

Location: NA
Sample ID: ER089 **Depth:** NA
COE Sample ID: FH004-ER089/04-01-98
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270
4-Nitroaniline	100-01-6	51	51	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	51	51	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	8	51	J		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	1	10	J		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	2	10	J		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	51	51	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	10	10			ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	10	10	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8260

Location: NA
Sample ID: ER089 **Depth:** NA
COE Sample ID: FH004-ER089/04-01-98
Date Collected: 4/1/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8260
2-Butanone	78-93-3	10	5			ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8260
Acetone	67-64-1	44	5			ug/l	SW846 8260
Benzene	71-43-2	5	5	U		ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8260
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8260
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8260
Bromoform	75-25-2	5	5	U		ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8260
Chloroform	67-66-3	5	5	U		ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8260
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8260
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8260
Styrene	100-42-5	5	5	U		ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8260
Toluene	108-88-3	5	5	U		ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8260

Location: NA
Sample ID: ER093 **Depth:** NA
COE Sample ID: FH004-ER093/04-13-98
Date Collected: 4/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	14.6	2.1			ug/l	SW846 6010
Barium	7440-39-3	70.9	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.3	0.30	U		ug/l	SW846 6010
Chromium	7440-47-3	1	1.0	U		ug/l	SW846 6010
Lead	7439-92-1	5.4	0.90			ug/l	SW846 6010

Location: NA
Sample ID: ER093 **Depth:** NA
COE Sample ID: FH004-ER093/04-13-98
Date Collected: 4/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Mercury	7439-97-6	0.73	0.10			ug/l	SW846 7470
Selenium	7782-49-2	2.2	2.2	WU		ug/l	SW846 7740
Silver	7440-22-4	1	1.0	U		ug/l	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	10	10	U		ug/l	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270
2,4,5-Trichlorophenol	95-95-4	50	50	U		ug/l	SW846 8270
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270
2,4-Dinitrophenol	51-28-5	50	50	U		ug/l	SW846 8270
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270
2-Methylnaphthalene	91-57-6	10	10	U		ug/l	SW846 8270
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270
2-Nitroaniline	88-74-4	50	50	U		ug/l	SW846 8270
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270
3-Nitroaniline	99-09-2	50	50	U		ug/l	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	50	50	U		ug/l	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270
4-Nitroaniline	100-01-6	50	50	U		ug/l	SW846 8270
4-Nitrophenol	100-02-7	50	50	U		ug/l	SW846 8270
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270
Benzoic Acid	65-85-0	50	50	U		ug/l	SW846 8270
Benzyl Alcohol	100-51-6	10	10	U		ug/l	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	2	10	JB		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270
Diethyl Phthalate	84-66-2	10	10	U		ug/l	SW846 8270
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270

Location: NA
Sample ID: ER093 **Depth:** NA
COE Sample ID: FH004-ER093/04-13-98
Date Collected: 4/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270
Phenol	108-95-2	10	10	U		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	0	0.00	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8260
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8260
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8260
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8260
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8260
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8260
Acetone	67-64-1	5	5	U		ug/l	SW846 8260
Benzene	71-43-2	5	5	U		ug/l	SW846 8260
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8260
Bromochloromethane	74-97-5	4	5	J		ug/l	SW846 8260
Bromodichloromethane	75-27-4	8	5			ug/l	SW846 8260
Bromoform	75-25-2	5	5	U		ug/l	SW846 8260
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8260
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8260
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8260
Chloroform	67-66-3	7	5			ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8260
Dibromochloromethane	124-48-1	1	5	J		ug/l	SW846 8260
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8260
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8260
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8260
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8260
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8260

Location: NA
Sample ID: ER093 **Depth:** NA
COE Sample ID: FH004-ER093/04-13-98
Date Collected: 4/13/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8260
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8260
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8260
Styrene	100-42-5	5	5	U		ug/l	SW846 8260
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8260
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8260
Toluene	108-88-3	5	5	U		ug/l	SW846 8260
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8260
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8260

• Laboratory Qualifiers

INORGANIC LABORATORY QUALIFIER FLAGS	
U	The analyte was analyzed for but not detected.
B	The reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
E	The reported value is estimated because of the presence of interference.
M	Duplicate injection precision not met.
N	Spike sample recovery not within control limits.
S	The reported value was determined by the Method of Standard Additions (MSA).
W	Post-digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.
*	Duplicate analysis not within control limits.
+	Correlation coefficient for the MSA is less than 0.995.

ORGANIC LABORATORY QUALIFIER FLAGS	
U	Indicates compound was analyzed for but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture. For example, 10 U for phenol in water if the sample final volume is the protocol-specified final volume. If a 1 to 10 dilution of extract is necessary, the reported limit is 100 U. For a soil sample, the value must be adjusted for percent moisture. For example, if the sample had 24% moisture and a 1 to 10 dilution factor the sample quantitation limit for phenol (330 U) would be corrected to: $\frac{(330U)}{D} \times df$ where $D = \frac{100 - \%\ moisture}{100}$ And df = dilution factor at 24% moisture $D = \frac{100-24}{100} = 0.76$ $\frac{(330U)}{.76} \times 10 = 4300$ U rounded to the appropriate number of significant figures
J	Indicates an estimated value. 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. For example, if the sample quantitation limit is 10 ug/L but a concentration of 3 ug/L is calculated, report it as 3J. The sample quantitation limit must be adjusted for both dilution and percent moisture as discussed for the U flag, so that if a sample with 24% moisture and a 1 to 10 dilution factor has a calculated concentration of 300 ug/Kg and a sample quantitation limit of 430 ug/Kg, report the concentration as 300J.
N	Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
P	This flag is used for a pesticide/Arocior target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported and flagged with a "P".
C	This flag applies to pesticide results where the identification has been confirmed GC/MS. Single component pesticides greater than or equal to 10 ng/ul in the final extract shall be confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank as well in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified TCL compound.

ORGANIC LABORATORY QUALIFIER FLAGS	
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis. If one or more compounds have a response greater than full scale the sample or extract must be diluted and reanalyzed according to the specifications in Exhibit D. All such compounds with a response greater than full scale should have the concentration flagged with an "E" for the original analysis. If the dilution of the extract causes any compounds identified in the first analysis to be below the calibration range in the second analysis, then the results of both analyses shall be reported on separate Forms I.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is reanalyzed at a higher dilution factor, as in the "E" flag above all concentration values reported on that Form I are flagged with the "D" flag.
A	This flag indicates that a TIC is a suspected aldol-condensation product
X	Over specific flags and footnotes may be required to properly define the results. If used, they must be fully described and such descriptions attached to the Sample Data Summary Package and the Case Narrative. If more than one is required use "Y" and "Z", as needed. If more than five qualifiers are required for a sample result use the "X" flag to combine several flags, as needed. For instance the "X" flag might combine the "A", "B", and "D" flags for some sample.

** Data Qualifiers

DATA VALIDATION QUALIFIER FLAGS	
U	The analyte was analyzed for but not detected.
J	The reported value is estimated because or the presence of interference.
R	The reported value is rejected.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB101

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23666.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 14 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	U
67-64-1	ACETONE	12	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB101

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23666.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 14 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB101

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5035.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 14 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB101

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5035.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 14 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	380	U
121-14-2	2,4-Dinitrotoluene	380	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenylphenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	120	JB
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U
110-86-1	Pyridine	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB101

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5035.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 14 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	380	U

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EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

64909

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 28649A

Matrix (soil/water): SOIL Lab Sample ID: 28649.09

Level (low/med): LOW Date Received: 02/27/97

% Solids: 85.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	8.2			P
7440-39-3	Barium	87.5		E	P
7440-43-9	Cadmium	0.16	B		P
7440-47-3	Chromium	15.5		E	P
7439-92-1	Lead	13.2			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	0.27	B		F
7440-22-4	Silver	0.22	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_04SB101

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB102

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23667.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 20 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	U
67-64-1	ACETONE	8	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB102

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23667.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 20 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB102

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5036.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 20 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	bis(2-Chloroisopropyl)ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB102

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5036.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 20 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
121-14-2	2,4-Dinitrotoluene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenylphenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	81	JB
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U
110-86-1	Pyridine	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB102

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5036.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 20 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	410	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

64910

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 28649A

Matrix (soil/water): SOIL Lab Sample ID: 28649.10

Level (low/med): LOW Date Received: 02/27/97

% Solids: 80.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.7			P
7440-39-3	Barium	20.1		E	P
7440-43-9	Cadmium	0.08	B		P
7440-47-3	Chromium	2.9		E	P
7439-92-1	Lead	3.0			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.4	U	W	F
7440-22-4	Silver	0.24	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_04SB102

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB103

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23668.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 8 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	24	
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB103

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23668.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 8 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1	BROMOBENZENE	5	U
104-51-8	n-BUTYLBENZENE	5	U
98-06-6	tert-BUTYLBENZENE	5	U
135-98-8	sec-BUTYLBENZENE	5	U
95-49-8	2-CHLOROTOLUENE	5	U
106-43-4	4-CHLOROTOLUENE	5	U
95-50-1	1 2-DICHLOROBENZENE	5	U
541-73-1	1 3-DICHLOROBENZENE	5	U
106-46-7	1 4-DICHLOROBENZENE	5	U
142-28-9	1 3-DICHLOROPROPANE	5	U
594-20-7	2 2-DICHLOROPROPANE	5	U
563-58-6	1 1-DICHLOROPROPENE	5	U
87-68-3	HEXACHLOROBUTADIENE	5	U
98-82-8	ISOPROPYLBENZENE	5	U
99-87-6	p-ISOPROPYLTOLUENE	5	U
91-20-3	NAPHTHALENE	5	U
103-65-1	n-PROPYLBENZENE	5	U
87-61-6	1 2 3-TRICHLOROBENZENE	5	U
120-82-1	1 2 4-TRICHLOROBENZENE	5	U
95-63-6	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB103

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5037.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 8 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	bis(2-Chloroisopropyl)ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB103

Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5037.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 8 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	360	U
121-14-2	2,4-Dinitrotoluene	360	U
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine_(1)	360	U
101-55-3	4-Bromophenylphenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	49	JB
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U
110-86-1	Pyridine	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB103

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.11

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5037.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 8 dec. Date Extracted:02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	360	U

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

64911

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 28649A

Matrix (soil/water): SOIL Lab Sample ID: 28649.11

Level (low/med): LOW Date Received: 02/27/97

% Solids: 91.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.6			P
7440-39-3	Barium	4.9		E	P
7440-43-9	Cadmium	0.04	U		P
7440-47-3	Chromium	1.9		E	P
7439-92-1	Lead	2.9			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.2	U		F
7440-22-4	Silver	0.21	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_04SB103

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB104

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23669.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 19 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	U
67-64-1	ACETONE	6	U
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB104

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23669.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 19 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB104

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5038.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 19 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	bis(2-Chloroisopropyl)ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB104

ɔ Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5038.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 19 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
121-14-2	2,4-Dinitrotoluene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine_(1)	410	U
101-55-3	4-Bromophenylphenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	810	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	93	JB
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U
110-86-1	Pyridine	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB104

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5038.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 19 dec. Date Extracted:02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	410	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

64912

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 28649A
Lab Code: SWOK__ Case No.: _____ SAS No.: _____
Matrix (soil/water): SOIL_ Lab Sample ID: 28649.12__
Level (low/med): LOW__ Date Received: 02/27/97
% Solids: _81.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.5			P
7440-39-3	Barium	46.0		E	P
7440-43-9	Cadmium	0.08	B		P
7440-47-3	Chromium	7.5		E	P
7439-92-1	Lead	7.3			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.4	U	W	F
7440-22-4	Silver	0.23	U		P

Color Before: BROWN Clarity Before: _____ Texture: MEDIUM
Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
CLIENT_ID_=_04SB104

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB105

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23670.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 18 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	U
67-64-1	ACETONE	34	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	53	
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	2	J
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB105

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23670.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 18 Date Analyzed: 03/05/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	5	J
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	32	
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	5	J
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB105

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5039.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 18 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
100-51-6	Benzyl alcohol	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	bis(2-Chloroisopropyl)ether	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	60	J
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	66	J
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB105

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5039.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 18 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	400	U
121-14-2	2,4-Dinitrotoluene	400	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	400	U
101-55-3	4-Bromophenylphenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	800	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	1900	B
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U
110-86-1	Pyridine	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB105

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28649

Matrix: (soil/water) SOIL Lab Sample ID: 28649.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5039.D

Level: (low/med) LOW Date Received: 02/27/97

% Moisture: not dec. 18 dec. Date Extracted: 02/28/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/03/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 9.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	400	U

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.
64913

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC
Lab Code: SWOK Case No.: SAS No.: SDG No.: 28649A
Matrix (soil/water): SOIL Lab Sample ID: 28649.13
Level (low/med): LOW Date Received: 02/27/97
% Solids: 81.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.6			P
7440-39-3	Barium	7.0		E	P
7440-43-9	Cadmium	0.72			P
7440-47-3	Chromium	3.6		E	P
7439-92-1	Lead	6.3			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	0.23	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM
Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:
CLIENT_ID_=_04SB105

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB106

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23724.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 17 Date Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	U
67-64-1	ACETONE	8	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB106

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23724.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 17 Date Analyzed: 03/11/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB106

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5096.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 17 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	bis(2-Chloroethyl)ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	44	J
100-51-6	Benzyl alcohol	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	bis(2-Chloroisopropyl)ether	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy)methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	400	U
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	78	J
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	400	U
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	400	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB106

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5096.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 17 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	46	J
121-14-2	2,4-Dinitrotoluene	400	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	42	J
132-64-9	Dibenzofuran	400	U
84-66-2	Diethylphthalate	400	U
7005-72-3	4-Chlorophenyl-phenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine_(1)	400	U
101-55-3	4-Bromophenylphenylether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	400	U
120-12-7	Anthracene	400	U
84-74-2	Di-n-butylphthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	50	J
85-68-7	Butylbenzylphthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	800	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	bis(2-Ethylhexyl)phthalate	400	U
117-84-0	Di-n-octylphthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenz(a,h)anthracene	400	U
191-24-2	Benzo(g,h,i)perylene	400	U
110-86-1	Pyridine	400	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB106

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5096.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 17 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	400	U

FORM I SV-3

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74301

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28743 SAS No.: SDG No.: 28743A

Matrix (soil/water): SOIL Lab Sample ID: 28743.01

Level (low/med): LOW Date Received: 03/07/97

% Solids: 83.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.6		*	P
7440-39-3	Barium	25.4			P
7440-43-9	Cadmium	0.08	B		P
7440-47-3	Chromium	9.8		EN*	P
7439-92-1	Lead	31.5		E*	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.3	U	WN	F
7440-22-4	Silver	0.20	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_04SB106

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB107

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23746.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	9	
67-64-1	ACETONE	21	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB107

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23746.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB107

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5099.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	bis(2-Chloroisopropyl)ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB107

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5099.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	370	U
121-14-2	2,4-Dinitrotoluene	370	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	370	U
101-55-3	4-Bromophenylphenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U
110-86-1	Pyridine	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB107

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5099.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	370	U

FORM I SV-3

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74305

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28743 SAS No.: SDG No.: 28743A

Matrix (soil/water): SOIL Lab Sample ID: 28743.05

Level (low/med): LOW Date Received: 03/07/97

% Solids: 89.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.76	B	*	P
7440-39-3	Barium	14.9			P
7440-43-9	Cadmium	0.10	B		P
7440-47-3	Chromium	2.1		EN*	P
7439-92-1	Lead	2.8		E*	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.2	U	N	F
7440-22-4	Silver	0.19	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_04SB107

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB108

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23747.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	8	
67-64-1	ACETONE	12	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB108

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23747.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB108

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5100.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	370	U
111-44-4	bis(2-Chloroethyl)ether	370	U
95-57-8	2-Chlorophenol	370	U
541-73-1	1,3-Dichlorobenzene	370	U
106-46-7	1,4-Dichlorobenzene	370	U
100-51-6	Benzyl alcohol	370	U
95-50-1	1,2-Dichlorobenzene	370	U
95-48-7	2-Methylphenol	370	U
108-60-1	bis(2-Chloroisopropyl)ether	370	U
106-44-5	4-Methylphenol	370	U
621-64-7	N-Nitroso-di-n-propylamine	370	U
67-72-1	Hexachloroethane	370	U
98-95-3	Nitrobenzene	370	U
78-59-1	Isophorone	370	U
88-75-5	2-Nitrophenol	370	U
105-67-9	2,4-Dimethylphenol	370	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)methane	370	U
120-83-2	2,4-Dichlorophenol	370	U
120-82-1	1,2,4-Trichlorobenzene	370	U
91-20-3	Naphthalene	370	U
106-47-8	4-Chloroaniline	370	U
87-68-3	Hexachlorobutadiene	370	U
59-50-7	4-Chloro-3-methylphenol	370	U
91-57-6	2-Methylnaphthalene	370	U
77-47-4	Hexachlorocyclopentadiene	370	U
88-06-2	2,4,6-Trichlorophenol	370	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	370	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	370	U
208-96-8	Acenaphthylene	370	U
606-20-2	2,6-Dinitrotoluene	370	U

FORM I SV-1

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB108

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5100.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	370	U
121-14-2	2,4-Dinitrotoluene	370	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	370	U
84-66-2	Diethylphthalate	370	U
7005-72-3	4-Chlorophenyl-phenylether	370	U
86-73-7	Fluorene	370	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine_(1)	370	U
101-55-3	4-Bromophenylphenylether	370	U
118-74-1	Hexachlorobenzene	370	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	370	U
120-12-7	Anthracene	370	U
84-74-2	Di-n-butylphthalate	370	U
206-44-0	Fluoranthene	370	U
129-00-0	Pyrene	370	U
85-68-7	Butylbenzylphthalate	370	U
91-94-1	3,3'-Dichlorobenzidine	740	U
56-55-3	Benzo(a)anthracene	370	U
218-01-9	Chrysene	370	U
117-81-7	bis(2-Ethylhexyl)phthalate	370	U
117-84-0	Di-n-octylphthalate	370	U
205-99-2	Benzo(b)fluoranthene	370	U
207-08-9	Benzo(k)fluoranthene	370	U
50-32-8	Benzo(a)pyrene	370	U
193-39-5	Indeno(1,2,3-cd)pyrene	370	U
53-70-3	Dibenz(a,h)anthracene	370	U
191-24-2	Benzo(g,h,i)perylene	370	U
110-86-1	Pyridine	370	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB108

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.06

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5100.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 11 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	370	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74306

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28743 SAS No.: SDG No.: 28743A

Matrix (soil/water): SOIL Lab Sample ID: 28743.06

Level (low/med): LOW Date Received: 03/07/97

% Solids: 89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.9		*	P
7440-39-3	Barium	60.8			P
7440-43-9	Cadmium	0.14	B		P
7440-47-3	Chromium	10.3		EN*	P
7439-92-1	Lead	9.1		E*	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.2	U	WN	F
7440-22-4	Silver	0.19	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_04SB108

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB109

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23748.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 9 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	15	
67-64-1	ACETONE	8	
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB109

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.07

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23748.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 9 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1	BROMOBENZENE	5	U
104-51-8	n-BUTYLBENZENE	5	U
98-06-6	tert-BUTYLBENZENE	5	U
135-98-8	sec-BUTYLBENZENE	5	U
95-49-8	2-CHLOROTOLUENE	5	U
106-43-4	4-CHLOROTOLUENE	5	U
95-50-1	1 2-DICHLOROBENZENE	5	U
541-73-1	1 3-DICHLOROBENZENE	5	U
106-46-7	1 4-DICHLOROBENZENE	5	U
142-28-9	1 3-DICHLOROPROPANE	5	U
594-20-7	2 2-DICHLOROPROPANE	5	U
563-58-6	1 1-DICHLOROPROPENE	5	U
87-68-3	HEXACHLOROBUTADIENE	5	U
98-82-8	ISOPROPYLBENZENE	5	U
99-87-6	p-ISOPROPYLTOLUENE	5	U
91-20-3	NAPHTHALENE	5	U
103-65-1	n-PROPYLBENZENE	5	U
87-61-6	1 2 3-TRICHLOROBENZENE	5	U
120-82-1	1 2 4-TRICHLOROBENZENE	5	U
95-63-6	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB109

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5101.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 9 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	bis(2-Chloroisopropyl)ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB109

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5101.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 9 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	360	U
121-14-2	2,4-Dinitrotoluene	360	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenylphenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U
110-86-1	Pyridine	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB109

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.07

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5101.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 9 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	360	U

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74307

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28743 SAS No.: SDG No.: 28743A

Matrix (soil/water): SOIL Lab Sample ID: 28743.07

Level (low/med): LOW Date Received: 03/07/97

% Solids: 91.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	1.9		*	P
7440-39-3	Barium	5.0			P
7440-43-9	Cadmium	0.05	U		P
7440-47-3	Chromium	2.0		EN*	P
7439-92-1	Lead	3.9		E*	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.2	U	WN	F
7440-22-4	Silver	0.19	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_04SB109

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB110

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23749.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 8 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	16	
67-64-1	ACETONE	20	
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB110

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.08

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23749.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 8 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1	BROMOBENZENE	5	U
104-51-8	n-BUTYLBENZENE	5	U
98-06-6	tert-BUTYLBENZENE	5	U
135-98-8	sec-BUTYLBENZENE	5	U
95-49-8	2-CHLOROTOLUENE	5	U
106-43-4	4-CHLOROTOLUENE	5	U
95-50-1	1 2-DICHLOROBENZENE	5	U
541-73-1	1 3-DICHLOROBENZENE	5	U
106-46-7	1 4-DICHLOROBENZENE	5	U
142-28-9	1 3-DICHLOROPROPANE	5	U
594-20-7	2 2-DICHLOROPROPANE	5	U
563-58-6	1 1-DICHLOROPROPENE	5	U
87-68-3	HEXACHLOROBUTADIENE	5	U
98-82-8	ISOPROPYLBENZENE	5	U
99-87-6	p-ISOPROPYLTOLUENE	5	U
91-20-3	NAPHTHALENE	5	U
103-65-1	n-PROPYLBENZENE	5	U
87-61-6	1 2 3-TRICHLOROBENZENE	5	U
120-82-1	1 2 4-TRICHLOROBENZENE	5	U
95-63-6	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB110

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5102.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 8 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	360	U
111-44-4	bis(2-Chloroethyl)ether	360	U
95-57-8	2-Chlorophenol	360	U
541-73-1	1,3-Dichlorobenzene	360	U
106-46-7	1,4-Dichlorobenzene	360	U
100-51-6	Benzyl alcohol	360	U
95-50-1	1,2-Dichlorobenzene	360	U
95-48-7	2-Methylphenol	360	U
108-60-1	bis(2-Chloroisopropyl)ether	360	U
106-44-5	4-Methylphenol	360	U
621-64-7	N-Nitroso-di-n-propylamine	360	U
67-72-1	Hexachloroethane	360	U
98-95-3	Nitrobenzene	360	U
78-59-1	Isophorone	360	U
88-75-5	2-Nitrophenol	360	U
105-67-9	2,4-Dimethylphenol	360	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy)methane	360	U
120-83-2	2,4-Dichlorophenol	360	U
120-82-1	1,2,4-Trichlorobenzene	360	U
91-20-3	Naphthalene	360	U
106-47-8	4-Chloroaniline	360	U
87-68-3	Hexachlorobutadiene	360	U
59-50-7	4-Chloro-3-methylphenol	360	U
91-57-6	2-Methylnaphthalene	360	U
77-47-4	Hexachlorocyclopentadiene	360	U
88-06-2	2,4,6-Trichlorophenol	360	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	360	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	360	U
208-96-8	Acenaphthylene	360	U
606-20-2	2,6-Dinitrotoluene	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB110

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5102.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 8 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	360	U
121-14-2	2,4-Dinitrotoluene	360	U
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	360	U
84-66-2	Diethylphthalate	360	U
7005-72-3	4-Chlorophenyl-phenylether	360	U
86-73-7	Fluorene	360	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine (1)	360	U
101-55-3	4-Bromophenylphenylether	360	U
118-74-1	Hexachlorobenzene	360	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	360	U
120-12-7	Anthracene	360	U
84-74-2	Di-n-butylphthalate	360	U
206-44-0	Fluoranthene	360	U
129-00-0	Pyrene	360	U
85-68-7	Butylbenzylphthalate	360	U
91-94-1	3,3'-Dichlorobenzidine	720	U
56-55-3	Benzo(a)anthracene	360	U
218-01-9	Chrysene	360	U
117-81-7	bis(2-Ethylhexyl)phthalate	360	U
117-84-0	Di-n-octylphthalate	360	U
205-99-2	Benzo(b)fluoranthene	360	U
207-08-9	Benzo(k)fluoranthene	360	U
50-32-8	Benzo(a)pyrene	360	U
193-39-5	Indeno(1,2,3-cd)pyrene	360	U
53-70-3	Dibenz(a,h)anthracene	360	U
191-24-2	Benzo(g,h,i)perylene	360	U
110-86-1	Pyridine	360	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB110

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.08

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5102.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 8 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	360	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74308

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28743 SAS No.: SDG No.: 28743A

Matrix (soil/water): SOIL Lab Sample ID: 28743.08

Level (low/med): LOW Date Received: 03/07/97

% Solids: 91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.99	B	*	P
7440-39-3	Barium	5.1			P
7440-43-9	Cadmium	0.05	U		P
7440-47-3	Chromium	3.5		EN*	P
7439-92-1	Lead	4.5		E*	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.2	U	WN	F
7440-22-4	Silver	0.19	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_04SB110

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB111

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23752.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 20 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	5	J
67-64-1	ACETONE	15	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB111

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.09

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23752.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 20 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB111

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5103.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 20 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	bis(2-Chloroethyl)ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
100-51-6	Benzyl alcohol	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	bis(2-Chloroisopropyl)ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	410	U
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	410	U
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB111

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5103.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 20 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2000	U
83-32-9	Acenaphthene	410	U
121-14-2	2,4-Dinitrotoluene	410	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	410	U
84-66-2	Diethylphthalate	410	U
7005-72-3	4-Chlorophenyl-phenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	410	U
101-55-3	4-Bromophenylphenylether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	410	U
120-12-7	Anthracene	410	U
84-74-2	Di-n-butylphthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butylbenzylphthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	820	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	bis(2-Ethylhexyl)phthalate	410	U
117-84-0	Di-n-octylphthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenz(a,h)anthracene	410	U
191-24-2	Benzo(g,h,i)perylene	410	U
110-86-1	Pyridine	410	U

FORM I SV-2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB111

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.09

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5103.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 20 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	410	U

FORM I SV-3

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74309

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28743 SAS No.: SDG No.: 28743A

Matrix (soil/water): SOIL Lab Sample ID: 28743.09

Level (low/med): LOW Date Received: 03/07/97

% Solids: 80.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.5		*	P
7440-39-3	Barium	64.2			P
7440-43-9	Cadmium	0.15	B		P
7440-47-3	Chromium	9.7		EN*	P
7439-92-1	Lead	8.8		E*	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.4	U	WN	F
7440-22-4	Silver	0.21	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_04SB111

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB112

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23753.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 14 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	5	J
67-64-1	ACETONE	16	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
04SB112

Lab Name: SWL-TULSA Contract: FT. HOOD PH

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.10

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23753.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 14 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB112

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5116.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 14 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB112

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5116.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 14 dec. Date Extracted: 03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	380	U
121-14-2	2,4-Dinitrotoluene	380	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenylphenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	770	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U
110-86-1	Pyridine	380	U

FORM I SV-2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB112

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28743

Matrix: (soil/water) SOIL Lab Sample ID: 28743.10

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M5116.D

Level: (low/med) LOW Date Received: 03/07/97

% Moisture: not dec. 14 dec. Date Extracted:03/07/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	380	U

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74310

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28743 SAS No.: SDG No.: 28743A

Matrix (soil/water): SOIL Lab Sample ID: 28743.10

Level (low/med): LOW Date Received: 03/07/97

% Solids: 86.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.3		*	P
7440-39-3	Barium	31.7			P
7440-43-9	Cadmium	0.10	B		P
7440-47-3	Chromium	5.3		EN*	P
7439-92-1	Lead	5.8		E*	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.3	U	WN	F
7440-22-4	Silver	0.20	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_04SB112

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB113

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28753

Matrix: (soil/water) SOIL Lab Sample ID: 28753.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23745.D

Level: (low/med) LOW Date Received: 03/08/97

% Moisture: not dec. 14 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	J
67-64-1	ACETONE	39	
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	6	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB113

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28753

Matrix: (soil/water) SOIL Lab Sample ID: 28753.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C23745.D

Level: (low/med) LOW Date Received: 03/08/97

% Moisture: not dec. 14 Date Analyzed: 03/12/97

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	6	U
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB113

ɔ Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28753

Matrix: (soil/water) SOIL Lab Sample ID: 28753.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P11536.D

Level: (low/med) LOW Date Received: 03/08/97

% Moisture: not dec. 13 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB113

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28753

Matrix: (soil/water) SOIL Lab Sample ID: 28753.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P11536.D

Level: (low/med) LOW Date Received: 03/08/97

% Moisture: not dec. 13 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	380	U
121-14-2	2,4-Dinitrotoluene	380	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenylphenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U
110-86-1	Pyridine	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB113

Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28753

Matrix: (soil/water) SOIL Lab Sample ID: 28753.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P11536.D

Level: (low/med) LOW Date Received: 03/08/97

% Moisture: not dec. 13 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/11/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	380	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB113RE

ɔ Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28753

Matrix: (soil/water) SOIL Lab Sample ID: 28753.01RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P11557.D

Level: (low/med) LOW Date Received: 03/08/97

% Moisture: not dec. 13 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	1800	U
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB113RE

ɔ Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28753

Matrix: (soil/water) SOIL Lab Sample ID: 28753.01RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P11557.D

Level: (low/med) LOW Date Received: 03/08/97

% Moisture: not dec. 13 dec. Date Extracted:03/10/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	380	U
121-14-2	2,4-Dinitrotoluene	380	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine_(1)	380	U
101-55-3	4-Bromophenylphenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U
110-86-1	Pyridine	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB113RE

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28753

Matrix: (soil/water) SOIL Lab Sample ID: 28753.01RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: P11557.D

Level: (low/med) LOW Date Received: 03/08/97

% Moisture: not dec. 13 dec. Date Extracted: 03/10/97

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 03/12/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-9403	1,2,4,5-Tetrachlorobenzene	380	U

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75301

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 28753A

Matrix (soil/water): SOIL Lab Sample ID: 28753.01

Level (low/med): LOW Date Received: 03/08/97

% Solids: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.9			P
7440-39-3	Barium	36.6		E	P
7440-43-9	Cadmium	0.06	U		P
7440-47-3	Chromium	4.1		E	P
7439-92-1	Lead	6.0			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	1.3	U	W	F
7440-22-4	Silver	0.20	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_04SB113

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB114

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.02

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I26704.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 17 Date Analyzed: 04/06/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	6	U
74-83-9	BROMOMETHANE	6	U
75-01-4	VINYL CHLORIDE	6	U
75-00-3	CHLOROETHANE	6	U
75-09-2	METHYLENE CHLORIDE	6	
67-64-1	ACETONE	17	B
75-35-4	1 1-DICHLOROETHENE	6	U
75-34-3	1 1-DICHLOROETHANE	6	U
67-66-3	CHLOROFORM	6	U
107-06-2	1 2-DICHLOROETHANE	6	U
78-93-3	2-BUTANONE	6	U
71-55-6	1 1 1-TRICHLOROETHANE	6	U
56-23-5	CARBON TETRACHLORIDE	6	U
75-27-4	BROMODICHLOROMETHANE	6	U
78-87-5	1 2-DICHLOROPROPANE	6	U
79-01-6	TRICHLOROETHENE	6	U
124-48-1	DIBROMOCHLOROMETHANE	6	U
79-00-5	1 1 2-TRICHLOROETHANE	6	U
71-43-2	BENZENE	6	U
75-25-2	BROMOFORM	6	U
108-10-1	4-METHYL-2-PENTANONE	6	U
591-78-6	2-HEXANONE	6	U
127-18-4	TETRACHLOROETHENE	6	U
108-88-3	TOLUENE	3	J
79-34-5	1 1 2 2-TETRACHLOROETHANE	6	U
108-90-7	CHLOROBENZENE	6	U
100-41-4	ETHYL BENZENE	6	U
100-42-5	STYRENE	6	U
156-59-2	cis-1 2-DICHLOROETHENE	6	U
156-60-5	trans-1 2-DICHLOROETHENE	6	U
13-302-07	m,p-XYLENES	6	U
95-47-6	o-XYLENE	6	U
106-93-4	1 2-DIBROMOETHANE	6	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	6	U

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB114

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.02

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I26704.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 17 Date Analyzed: 04/06/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	6	U
75-71-8	DICHLORODIFLUOROMETHANE	6	U
75-69-4	TRICHLOROFLUOROMETHANE	6	U
74-95-3	DIBROMOMETHANE	6	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	6	U
108-86-1	BROMOBENZENE	6	U
104-51-8	n-BUTYLBENZENE	6	U
98-06-6	tert-BUTYLBENZENE	6	U
135-98-8	sec-BUTYLBENZENE	6	U
95-49-8	2-CHLOROTOLUENE	6	U
106-43-4	4-CHLOROTOLUENE	6	U
95-50-1	1 2-DICHLOROBENZENE	6	U
541-73-1	1 3-DICHLOROBENZENE	6	U
106-46-7	1 4-DICHLOROBENZENE	6	U
142-28-9	1 3-DICHLOROPROPANE	6	U
594-20-7	2 2-DICHLOROPROPANE	6	U
563-58-6	1 1-DICHLOROPROPENE	6	U
87-68-3	HEXACHLOROBUTADIENE	6	U
98-82-8	ISOPROPYLBENZENE	6	U
99-87-6	p-ISOPROPYLTOLUENE	6	U
91-20-3	NAPHTHALENE	2	J
103-65-1	n-PROPYLBENZENE	6	U
87-61-6	1 2 3-TRICHLOROBENZENE	6	U
120-82-1	1 2 4-TRICHLOROBENZENE	6	U
95-63-6	1 2 4-TRIMETHYLBENZENE	6	U
108-67-8	1 3 5-TRIMETHYLBENZENE	6	U
74-97-5	BROMOCHLOROMETHANE	6	U

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SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB114

Lab Name: SWL-TULSA Contract: FORT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.02

Sample wt/vol: 31.4 (g/mL) G Lab File ID: M9831.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 17 dec. Date Extracted: 04/07/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	bis(2-Chloroethyl)ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
100-51-6	Benzyl alcohol	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	bis(2-Chloroisopropyl)ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
65-85-0	Benzoic Acid	120	J
111-91-1	bis(2-Chloroethoxy)methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	1800	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	1800	U
131-11-3	Dimethylphthalate	380	U
208-96-8	Acenaphthylene	380	U
606-20-2	2,6-Dinitrotoluene	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB114

Lab Name: SWL-TULSA Contract: FORT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.02

Sample wt/vol: 31.4 (g/mL) G Lab File ID: M9831.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 17 dec. Date Extracted: 04/07/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1800	U
83-32-9	Acenaphthene	380	U
121-14-2	2,4-Dinitrotoluene	380	U
51-28-5	2,4-Dinitrophenol	1800	U
100-02-7	4-Nitrophenol	1800	U
132-64-9	Dibenzofuran	380	U
84-66-2	Diethylphthalate	380	U
7005-72-3	4-Chlorophenyl-phenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	1800	U
534-52-1	4,6-Dinitro-2-methylphenol	1800	U
86-30-6	N-Nitrosodiphenylamine (1)	380	U
101-55-3	4-Bromophenylphenylether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	1800	U
85-01-8	Phenanthrene	380	U
120-12-7	Anthracene	380	U
84-74-2	Di-n-butylphthalate	380	U
206-44-0	Fluoranthene	380	U
129-00-0	Pyrene	380	U
85-68-7	Butylbenzylphthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	760	U
56-55-3	Benzo(a)anthracene	380	U
218-01-9	Chrysene	380	U
117-81-7	bis(2-Ethylhexyl)phthalate	380	U
117-84-0	Di-n-octylphthalate	380	U
205-99-2	Benzo(b)fluoranthene	380	U
207-08-9	Benzo(k)fluoranthene	380	U
50-32-8	Benzo(a)pyrene	380	U
193-39-5	Indeno(1,2,3-cd)pyrene	380	U
53-70-3	Dibenz(a,h)anthracene	380	U
191-24-2	Benzo(g,h,i)perylene	380	U
110-86-1	Pyridine	380	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB114

Lab Name: SWL-TULSA Contract: FORT HOOD

b Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.02

Sample wt/vol: 31.4 (g/mL) G Lab File ID: M9831.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 17 dec. Date Extracted: 04/07/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	380	U

1

CLIENT SAMPLE ID

INORGANIC ANALYSES DATA SHEET

04SB114

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 33450 SAS No.: SDG No.: 33450A

Matrix (soil/water): SOIL Lab Sample ID: 33450.02

Level (low/med): LOW Date Received: 04/03/98

% Solids: 83.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.2		N	P
7440-39-3	Barium	18.2			P
7440-43-9	Cadmium	0.03	U		P
7440-47-3	Chromium	2.6		*	P
7439-92-1	Lead	8.5		EN	P
7439-97-6	Mercury	0.02	U		AV
7782-49-2	Selenium	0.29	B		F
7440-22-4	Silver	0.12	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB115

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I26732.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 8 Date Analyzed: 04/08/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	5	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB115

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.06

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I26732.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 8 Date Analyzed: 04/08/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1	BROMOBENZENE	5	U
104-51-8	n-BUTYLBENZENE	5	U
98-06-6	tert-BUTYLBENZENE	5	U
135-98-8	sec-BUTYLBENZENE	5	U
95-49-8	2-CHLOROTOLUENE	5	U
106-43-4	4-CHLOROTOLUENE	5	U
95-50-1	1 2-DICHLOROBENZENE	5	U
541-73-1	1 3-DICHLOROBENZENE	5	U
106-46-7	1 4-DICHLOROBENZENE	5	U
142-28-9	1 3-DICHLOROPROPANE	5	U
594-20-7	2 2-DICHLOROPROPANE	5	U
563-58-6	1 1-DICHLOROPROPENE	5	U
87-68-3	HEXACHLOROBUTADIENE	5	U
98-82-8	ISOPROPYLBENZENE	5	U
99-87-6	p-ISOPROPYLTOLUENE	5	U
91-20-3	NAPHTHALENE	5	U
103-65-1	n-PROPYLBENZENE	5	U
87-61-6	1 2 3-TRICHLOROBENZENE	5	U
120-82-1	1 2 4-TRICHLOROBENZENE	5	U
95-63-6	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB115

ab Name: SWL-TULSA Contract: FORT HOOD

.b Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.06

Sample wt/vol: 31.1 (g/mL) G Lab File ID: M9832.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 8 dec. Date Extracted: 04/07/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	350	U
111-44-4	bis(2-Chloroethyl)ether	350	U
95-57-8	2-Chlorophenol	350	U
541-73-1	1,3-Dichlorobenzene	350	U
106-46-7	1,4-Dichlorobenzene	350	U
100-51-6	Benzyl alcohol	350	U
95-50-1	1,2-Dichlorobenzene	350	U
95-48-7	2-Methylphenol	350	U
108-60-1	bis(2-Chloroisopropyl)ether	350	U
106-44-5	4-Methylphenol	350	U
621-64-7	N-Nitroso-di-n-propylamine	350	U
67-72-1	Hexachloroethane	350	U
98-95-3	Nitrobenzene	350	U
78-59-1	Isophorone	350	U
88-75-5	2-Nitrophenol	350	U
105-67-9	2,4-Dimethylphenol	350	U
65-85-0	Benzoic Acid	1700	U
111-91-1	bis(2-Chloroethoxy)methane	350	U
120-83-2	2,4-Dichlorophenol	350	U
120-82-1	1,2,4-Trichlorobenzene	350	U
91-20-3	Naphthalene	350	U
106-47-8	4-Chloroaniline	350	U
87-68-3	Hexachlorobutadiene	350	U
59-50-7	4-Chloro-3-methylphenol	350	U
91-57-6	2-Methylnaphthalene	350	U
77-47-4	Hexachlorocyclopentadiene	350	U
88-06-2	2,4,6-Trichlorophenol	350	U
95-95-4	2,4,5-Trichlorophenol	1700	U
91-58-7	2-Chloronaphthalene	350	U
88-74-4	2-Nitroaniline	1700	U
131-11-3	Dimethylphthalate	350	U
208-96-8	Acenaphthylene	350	U
606-20-2	2,6-Dinitrotoluene	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB115

Lab Name: SWL-TULSA Contract: FORT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.06

Sample wt/vol: 31.1 (g/mL) G Lab File ID: M9832.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 8 dec. Date Extracted: 04/07/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	1700	U
83-32-9	Acenaphthene	350	U
121-14-2	2,4-Dinitrotoluene	350	U
51-28-5	2,4-Dinitrophenol	1700	U
100-02-7	4-Nitrophenol	1700	U
132-64-9	Dibenzofuran	350	U
84-66-2	Diethylphthalate	350	U
7005-72-3	4-Chlorophenyl-phenylether	350	U
86-73-7	Fluorene	350	U
100-01-6	4-Nitroaniline	1700	U
534-52-1	4,6-Dinitro-2-methylphenol	1700	U
86-30-6	N-Nitrosodiphenylamine_(1)	350	U
101-55-3	4-Bromophenylphenylether	350	U
118-74-1	Hexachlorobenzene	350	U
87-86-5	Pentachlorophenol	1700	U
85-01-8	Phenanthrene	350	U
120-12-7	Anthracene	350	U
84-74-2	Di-n-butylphthalate	350	U
206-44-0	Fluoranthene	350	U
129-00-0	Pyrene	350	U
85-68-7	Butylbenzylphthalate	350	U
91-94-1	3,3'-Dichlorobenzidine	690	U
56-55-3	Benzo(a)anthracene	350	U
218-01-9	Chrysene	350	U
117-81-7	bis(2-Ethylhexyl)phthalate	350	U
117-84-0	Di-n-octylphthalate	350	U
205-99-2	Benzo(b)fluoranthene	350	U
207-08-9	Benzo(k)fluoranthene	350	U
50-32-8	Benzo(a)pyrene	350	U
193-39-5	Indeno(1,2,3-cd)pyrene	350	U
53-70-3	Dibenz(a,h)anthracene	350	U
191-24-2	Benzo(g,h,i)perylene	350	U
110-86-1	Pyridine	350	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04SB115

Lab Name: SWL-TULSA Contract: FORT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33450

Matrix: (soil/water) SOIL Lab Sample ID: 33450.06

Sample wt/vol: 31.1 (g/mL) G Lab File ID: M9832.D

Level: (low/med) LOW Date Received: 04/03/98

% Moisture: not dec. 8 dec. Date Extracted: 04/07/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/10/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	350	U

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CLIENT SAMPLE ID

INORGANIC ANALYSES DATA SHEET

04SB115

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 33450 SAS No.: SDG No.: 33450A

Matrix (soil/water): SOIL Lab Sample ID: 33450.06

Level (low/med): LOW Date Received: 04/03/98

% Solids: 92.1

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.0		N	P
7440-39-3	Barium	5.3			P
7440-43-9	Cadmium	0.05	B		P
7440-47-3	Chromium	2.3		*	P
7439-92-1	Lead	5.1		EN	P
7439-97-6	Mercury	0.02	U		AV
7782-49-2	Selenium	0.22	U	W	F
7440-22-4	Silver	0.17	B		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

FORM I - IN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL5208.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. _____ Date Analyzed: 06/05/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	5	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	4	J
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL5208.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. _____ Date Analyzed: 06/05/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1	BROMOBENZENE	5	U
104-51-8	n-BUTYLBENZENE	5	U
98-06-6	tert-BUTYLBENZENE	5	U
135-98-8	sec-BUTYLBENZENE	5	U
95-49-8	2-CHLOROTOLUENE	5	U
106-43-4	4-CHLOROTOLUENE	5	U
95-50-1	1 2-DICHLOROBENZENE	5	U
541-73-1	1 3-DICHLOROBENZENE	5	U
106-46-7	1 4-DICHLOROBENZENE	5	J
142-28-9	1 3-DICHLOROPROPANE	5	U
594-20-7	2 2-DICHLOROPROPANE	5	U
563-58-6	1 1-DICHLOROPROPENE	5	U
87-68-3	HEXACHLOROBUTADIENE	5	U
98-82-8	ISOPROPYLBENZENE	5	U
99-87-6	p-ISOPROPYLTOLUENE	5	U
91-20-3	NAPHTHALENE	5	U
103-65-1	n-PROPYLBENZENE	5	U
87-61-6	1 2 3-TRICHLOROBENZENE	5	U
120-82-1	1 2 4-TRICHLOROBENZENE	5	U
95-63-6	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ101

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16386.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted:06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	2	J
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	6	J
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ101

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16386.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted:06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
121-14-2	2,4-Dinitrotoluene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	3	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
110-86-1	Pyridine	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ101

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16386.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted: 06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

CLIENT SAMPLE ID

INORGANIC ANALYSES DATA SHEET

04PZ101

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC
Lab Code: SWOK Case No.: 34208 SAS No.: SDG No.: 34208B
Matrix (soil/water): WATER Lab Sample ID: 34208.06
Level (low/med): LOW Date Received: 06/02/98
% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	14.2			P
7440-39-3	Barium	456		*	P
7440-43-9	Cadmium	0.30	U		P
7440-47-3	Chromium	5.4		*	P
7439-92-1	Lead	3.9		*	P
7439-97-6	Mercury	0.10	U	N	AV
7782-49-2	Selenium	2.2	U	WN	F
7440-22-4	Silver	1.4	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL5169.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. _____ Date Analyzed: 06/03/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	5	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL5169.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. _____ Date Analyzed: 06/03/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1	BROMOBENZENE	5	U
104-51-8	n-BUTYLBENZENE	5	U
98-06-6	tert-BUTYLBENZENE	5	U
135-98-8	sec-BUTYLBENZENE	5	U
95-49-8	2-CHLOROTOLUENE	5	U
106-43-4	4-CHLOROTOLUENE	5	U
95-50-1	1 2-DICHLOROBENZENE	5	U
541-73-1	1 3-DICHLOROBENZENE	5	U
106-46-7	1 4-DICHLOROBENZENE	5	U
142-28-9	1 3-DICHLOROPROPANE	5	U
594-20-7	2 2-DICHLOROPROPANE	5	U
563-58-6	1 1-DICHLOROPROPENE	5	U
87-68-3	HEXACHLOROBUTADIENE	5	U
98-82-8	ISOPROPYLBENZENE	5	U
99-87-6	p-ISOPROPYLTOLUENE	5	U
91-20-3	NAPHTHALENE	5	U
103-65-1	n-PROPYLBENZENE	5	U
87-61-6	1 2 3-TRICHLOROBENZENE	5	U
120-82-1	1 2 4-TRICHLOROBENZENE	5	U
95-63-6	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ102

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16387.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted: 06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	3	J
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	50	U
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ102

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16387.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted: 06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
121-14-2	2,4-Dinitrotoluene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	8	JB
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
110-86-1	Pyridine	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ102

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16387.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted:06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.7 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

CLIENT SAMPLE ID

INORGANIC ANALYSES DATA SHEET

04PZ102

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract:SAIC_____
Lab Code: SWOK__ Case No.: 34208 SAS No.: _____ SDG No.: 34208B
Matrix (soil/water): WATER Lab Sample ID: 34208.07
Level (low/med): LOW__ Date Received: 06/02/98
% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic__	2.9	U		P_
7440-39-3	Barium___	79.6		*	P_
7440-43-9	Cadmium__	0.30	U		P_
7440-47-3	Chromium_	2.4	B	*	P_
7439-92-1	Lead_____	1.5	U	*	P_
7439-97-6	Mercury__	0.10	U	N	AV
7782-49-2	Selenium_	2.2	U	N	P_
7440-22-4	Silver___	1.4	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL5186.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. _____ Date Analyzed: 06/04/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	5	U
74-83-9	BROMOMETHANE	5	U
75-01-4	VINYL CHLORIDE	5	U
75-00-3	CHLOROETHANE	5	U
75-09-2	METHYLENE CHLORIDE	5	U
67-64-1	ACETONE	5	U
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	5	U
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	U
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	5	U
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	U
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	5	U
108-10-1	4-METHYL-2-PENTANONE	5	U
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	5	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	5	U
100-42-5	STYRENE	5	U
156-59-2	cis-1 2-DICHLOROETHENE	5	U
156-60-5	trans-1 2-DICHLOROETHENE	5	U
13-302-07	m,p-XYLENES	5	U
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	5	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL5186.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. _____ Date Analyzed: 06/04/98

Column: (pack/cap) CAP Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
96-18-4	1 2 3-TRICHLOROPROPANE	5	U
75-71-8	DICHLORODIFLUOROMETHANE	5	U
75-69-4	TRICHLOROFLUOROMETHANE	5	U
74-95-3	DIBROMOMETHANE	5	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	5	U
108-86-1	BROMOBENZENE	5	U
104-51-8	n-BUTYLBENZENE	5	U
98-06-6	tert-BUTYLBENZENE	5	U
135-98-8	sec-BUTYLBENZENE	5	U
95-49-8	2-CHLOROTOLUENE	5	U
106-43-4	4-CHLOROTOLUENE	5	U
95-50-1	1 2-DICHLOROBENZENE	5	U
541-73-1	1 3-DICHLOROBENZENE	5	U
106-46-7	1 4-DICHLOROBENZENE	5	U
142-28-9	1 3-DICHLOROPROPANE	5	U
594-20-7	2 2-DICHLOROPROPANE	5	U
563-58-6	1 1-DICHLOROPROPENE	5	U
87-68-3	HEXACHLOROBUTADIENE	5	U
98-82-8	ISOPROPYLBENZENE	5	U
99-87-6	p-ISOPROPYLTOLUENE	5	U
91-20-3	NAPHTHALENE	5	U
103-65-1	n-PROPYLBENZENE	5	U
87-61-6	1 2 3-TRICHLOROBENZENE	5	U
120-82-1	1 2 4-TRICHLOROBENZENE	5	U
95-63-6	1 2 4-TRIMETHYLBENZENE	5	U
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ103

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16388.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted: 06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	3	J
111-44-4	bis(2-Chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
100-51-6	Benzyl alcohol	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	bis(2-Chloroisopropyl)ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
65-85-0	Benzoic Acid	6	J
111-91-1	bis(2-Chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	50	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	50	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ103

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16388.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted:06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
99-09-2	3-Nitroaniline	50	U
83-32-9	Acenaphthene	10	U
121-14-2	2,4-Dinitrotoluene	10	U
51-28-5	2,4-Dinitrophenol	50	U
100-02-7	4-Nitrophenol	50	U
132-64-9	Dibenzofuran	10	U
84-66-2	Diethylphthalate	1	J
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	50	U
534-52-1	4,6-Dinitro-2-methylphenol	50	U
86-30-6	N-Nitrosodiphenylamine (1)	10	U
101-55-3	4-Bromophenylphenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	50	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butylbenzylphthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	bis(2-Ethylhexyl)phthalate	22	B
117-84-0	Di-n-octylphthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenz(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U
110-86-1	Pyridine	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

04PZ103

Lab Name: SWL-TULSA Contract: FORT HOOD O

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 34208

Matrix: (soil/water) WATER Lab Sample ID: 34208.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P16388.D

Level: (low/med) LOW Date Received: 06/02/98

% Moisture: not dec. 0 dec. Date Extracted: 06/03/98

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 06/08/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.1 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

1

CLIENT SAMPLE ID

INORGANIC ANALYSES DATA SHEET

04PZ103

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 34208 SAS No.: SDG No.: 34208B

Matrix (soil/water): WATER Lab Sample ID: 34208.08

Level (low/med): LOW Date Received: 06/02/98

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.9	U		P
7440-39-3	Barium	137		*	P
7440-43-9	Cadmium	0.30	U		P
7440-47-3	Chromium	0.70	U	*	P
7439-92-1	Lead	1.5	U	*	P
7439-97-6	Mercury	0.10	U	N	AV
7782-49-2	Selenium	2.2	U	WN	F
7440-22-4	Silver	1.4	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

APPENDIX D

Fort Hood RFI Background Soils Data

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB101 Background Soil Bonng 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	Qualifiers Data
Arsenic	3	0.41	MG/KG		
Banum	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	Qualifiers Data
Arsenic	2	0.39	MG/KG		
Banum	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	Qualifiers Data
Arsenic	9.1	0.42	MG/KG		
Banum	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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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 Bonng 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers Data
Arsenic	11.6	0.37	MG/KG		
Banum	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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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 Bonng 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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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

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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	Qualifiers 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	Qualifiers 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	Qualifiers 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	Qualifiers 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

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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	Qualifiers 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 E

Fort Hood RFI Background Soil Boring Logs

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Boring FHBKG-SB101

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FHBKG	: Background
Start Date	: 12/10/96
End Date	: 12/10/96
Northing Coord.	: 3446458.08 m
Easting Coord.	: 61375.50 m UTM 14 North
Total Depth of Boring	: 18.5 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 15.0 feet
Depth Drilled Into Rock	: 3.5 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 887.80ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0					Topsoil. 0.0-0.5' bgs.; weathered tan limestone.	No sample recovery.
1	887	CL			CLAY; weathered limestone fragments; damp; soft; moderately plastic; 10YR5/4 yellowish brown.	
2	886					Sample BKSB101 collected 2.0-2.5' bgs.
3	885				Same as above; dry.	
4	884				Same as above; dry; more weathered limestone.	Description from soil cuttings.
5	883	CH			CLAY, fat; fewer fragments; damp; firm; highly plastic; mottled 10YR6/6 brownish yellow and 2.5Y7/1 light gray.	Sample BKSB102 collected 4.0-4.7' bgs.
6	882				Same CLAY as above; more silty; interbedded with weathered limestone; dry.	Description from soil cuttings.
7	881					
8	880					
9	879					
10	878				Same as above; dry.	
11	877	CL			Silty CLAY; dry; firm; non-plastic; 10YR6/6 brownish yellow.	Sample BKSB103 collected 10.5-11.0' bgs.
12	876				Same as above; interbedded with tan weathered limestone; dry.	
13	875					
14	874					
15	873	LS			LIMESTONE, weathered; dry; blue-gray.	Description from soil cuttings.
16	872					
17	871					
18	870					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
19	869				Bottom of Boring @ 18.5' bgs.	
20	868					

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Boring FHBKG-SB102

FHBKG	: Background
Start Date	: 12/12/96
End Date	: 12/12/96
Northing Coord.	: 3446503.40 m
Easting Coord.	: 613980.64 m UTM 14 North
Total Depth of Boring	: 19.5 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 16.0 feet
Depth Drilled Into Rock	: 3.5 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 912.28ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	912				Topsoil. 0.0-0.4' bgs.	Sample BKSB121, duplicate BKSB202, and split sample BKSB302 collected 0.0-0.5' bgs.
1	911	CL			Silty CLAY; weathered limestone fragments; dry; firm; non-plastic; mottled 10YR5/3 brown and 10YR8/2 very pale brown.	
2	910				Same as above; dry.	
3	909					Description from soil cuttings.
4	908	CL			LIMESTONE, weathered, tan; and Silty Clay interbeds; dry.	
5	907					
6	906	CL			Zones of limestone and highly indurated silty clay (weathered limestone?); shell fragments; roots; dry; very hard; 2.5Y8/2 pale yellow.	
7	905					
8	904					
9	903				Same as above; dry.	
10	902					
11	901				Same as above; dry.	
12	900					
13	899					Description from soil cuttings.
14	898					Sample BKSB122 collected 14.0-14.5' bgs.
15	897				Same as above; dry.	
16	896	LS			LIMESTONE, weathered; dry; blue-gray.	
17	895					
18	894				Same as above; dry.	
19	893				Same as above; dry.	Sample BKSB123 collected 19.0-19.5' bgs.
20					Bottom of Boring @ 19.5' bgs.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.

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FHBKG	: Background
Start Date	: 12/10/96
End Date	: 12/10/96
Northing Coord.	: 3447405.80 m
Easting Coord.	: 606690.49 m UTM 14 North
Total Depth of Boring	: 17.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 15.0 feet
Depth Drilled Into Rock	: 2.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 795.26ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	795				Topsoil. 0.0-0.2' bgs.; weathered tan limestone.	Sample BKSB104 collected 0.0-0.5' bgs.
1	794	CL			Interbedded Silty and pebbly CLAY; 40% coarse sand to pebble sized angular to subrounded fragments; dry; moderately plastic; thin layers of 10YR8/4 very pale brown and 10YR3/2 very dark grayish brown.	
2	793				Same as above; no pebbles; dry.	
3	792					Description from soil cuttings.
4	791	CL			Same as above; weathered, tan limestone fragments; dry.	Sample BKSB105 collected 4.0-4.5' bgs.
5	790					
6	789	CL			Same as above; interbeds of limestone; dry.	
7	788				Same as above; dry.	
8	787					
9	786				Same as above; dry.	Sample BKSB106 collected 9.0-9.5' bgs.
10	785					
11	784				Same as above; except more medium to coarse sand; dry; soft; non-plastic.	
12	783					
13	782				Same as above; dry.	Description from soil cuttings.
14	781	CL			Silty CLAY; weathered limestone fragments; damp; firm; moderately plastic; mottled 10YR8/2 very pale brown and 10YR6/4 light yellowish brown.	Sample BKSB107 collected 14.0-15.0' bgs.
15	780	LS			LIMESTONE, weathered; dry; blue-gray.	
16	779					
17	778				Bottom of Boring @ 17.0' bgs.	
18	777					
19	776					
20						Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.

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FHBKG	: Background
Start Date	: 12/11/96
End Date	: 12/11/96
Northing Coord.	: 3447780.16 m
Easting Coord.	: 613523.75 m UTM 14 North
Total Depth of Boring	: 24.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 24.0 feet
Depth Drilled Into Rock	: NA
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 896.29	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	896				Topsoil. 0.0-1.0' bgs.; weathered tan limestone.	Sample BKSB108 collected 0.0-1.0' bgs.
1	895				Silty CLAY; trace organics; weathered limestone fragments; damp; soft; low plasticity; 2.5Y7/6 yellow.	
2	894					
3	893				Same as above.	Description from soil cuttings.
4	892				Same as above; no organics; dry; 10YR7/8 yellow mottle.	
5	891	CL				Sample BKSB109 collected 4.0-5.0' bgs.
6	890				Same as above; slightly more silty; dry; hard; brittle.	
7	889					Description from soil cuttings.
8	888					
9	887				LIMESTONE, weathered; tan.	Description from soil cuttings. Hard drilling.
10	886	LS			weathered limestone as above.	
11	885				Silty CLAY as above; dry.	Sample BKSB110 collected 11.0-11.5' bgs.
12	884	CL			Same as above; dry.	Geotechnical sample collected 12.0-13.0' bgs.
13	883				Silty CLAY and weathered LIMESTONE interbeds.	
14	882					
15	881	CL				Description from soil cuttings.
16	880					
17	879					
18	878	CL			Silty CLAY as above; dry.	Sample BKSB111 collected 18.0-18.5' bgs.
19	877				Silty CLAY and weathered LIMESTONE interbeds.	
20	876					
21	875	CL				Description from soil cuttings.
22	874					
23	873				Same as above; dry. Blue-gray weathered limestone fragments; dry.	
24	872	LS			Bottom of Boring at 24.0' bgs.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
25						

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FHBKG	: Background
Start Date	: 12/11/96
End Date	: 12/11/96
Northing Coord.	: Not
Easting Coord.	: Surveyed
Total Depth of Boring	: 24.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 24.0 feet
Depth Drilled Into Rock	: NA
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. NS	USCS	DESCRIPTION	REMARKS
0	0	GP	GRAVEL (graded area).	
1	-1	CL	Silty CLAY; weathered limestone fragments; dry; firm; non-plastic; 2.5Y6/4 light yellowish brown.	Sample BKSB112 collected 1.0-1.5' bgs.
2	-2			
3	-3		Same as above; dry.	Description from soil cuttings.
4	-4	CH	CLAY, fat; dry; firm; highly plastic; mottled 2.5Y6/4 light yellowish brown and 10YR6/6 brownish yellow.	Sample BKSB113 collected 4.0-5.0' bgs.
5	-5	CL	Silty CLAY and LIMESTONE interbeds; dry; firm; 2.5Y6/4 light yellowish brown.	
6	-6			
7	-7			
8	-8			Description from soil cuttings.
9	-9			
10	-10		Same as above; dry.	
11	-11			
12	-12		Same as above; dry; moderately plastic.	Sample BKSB114 collected 11.0-12.0' bgs.
13	-13		Same as above; dry.	Description from soil cuttings.
14	-14			
15	-15	CL	Same as above; more silt; dry; hard; brittle; non-plastic.	Sample BKSB115 collected 15.0-15.5' bgs.
16	-16		Same as above with weathered limestone interbeds.	
17	-17			
18	-18			Description from soil cuttings.
19	-19			
20	-20			
21	-21			
22	-22		Same as above; dry.	Sample BKSB116 collected 22.0-22.5' bgs.
23	-23			
24	-24		Blue-gray weathered limestone; dry; hard drilling to 24.0'.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
25		LS	Bottom of Boring at 24.0' bgs.	

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FHBKG	: Background
Start Date	: 12/12/96
End Date	: 12/12/96
Northing Coord.	: Not
Easting Coord.	: Surveyed
Total Depth of Boring	: 25.5 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 25.5 feet
Depth Drilled Into Rock	: NA
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. NS	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	0	CL			Silty CLAY; weathered limestone fragments; dry; firm; non-plastic; mottled 2.5Y7/6 yellow and 10YR6/6 brownish yellow.	Sample BKSB117 collected 0.0-1.0' bgs.
1	-1					
2	-2					
3	-3				Same as above; dry.	Geotechnical sample collected 3.0-4.0' bgs.
4	-4	CL			Same as above with weathered limestone interbeds.	
5	-5					
6	-6					Description from soil cuttings.
7	-7				Same as above with trace sand; dry.	
8	-8					
9	-9	SM			Silty SAND, fine; dry; non-plastic; carbonate (HCL fizz); 2.5Y8/4 pale yellow.	Sample BKSB118 collected 9.0-9.5' bgs.
10	-10					
11	-11				Same as above; dry.	
12	-12				Same as above except color change to 19YR8/2 very pale brown.	
13	-13					
14	-14	SP			Same as above SAND, fine; except no silt.	Sample BKSB119 collected 14.0-14.5' bgs.
15	-15					
16	-16					
17	-17				Same as above; dry.	Description from soil cuttings.
18	-18					
19	-19	SW			SAND, fine; dry; soft; non-carbonate; 2.5Y8/4 pale yellow.	Sample BKSB120 collected 19.0-20.0' bgs.
20	-20					
21	-21					
22	-22				Same as above; dry.	
23	-23	LS			LIMESTONE, weathered; dry; tan.	Description from soil cuttings.
24	-24					
25	-25					
26	-26				Blue-gray weathered limestone; dry. Bottom of Boring at 25.5' bgs.	
27	-27					
28	-28					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
29	-29					
30						

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FHBKG	: Background
Start Date	: 12/12/96
End Date	: 12/12/96
Northing Coord.	: 3438421.71 m
Easting Coord.	: 612222.83 m UTM 14 North
Total Depth of Boring	: 6.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 1.7 feet
Depth Drilled Into Rock	: 4.3 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. NS	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	0					
		CL			Silty CLAY; weathered limestone fragments; dry; hard; non-plastic; mottled 10YR6/8 brownish yellow and 10YR6/2 light brownish gray.	Sample BKSB124 collected 0.0-1.0' bgs.
1	-1					
2	-2	LS			LIMESTONE, weathered, fossiliferous; Blue-Gray; 2.5Y6/1 gray.	
3	-3					Description from soil cuttings.
4	-4				Same as above	Sample BKSB125 collected 4.0-4.5' bgs.
5	-5					Description from soil cuttings.
					Same as above	Sample BKSB126 collected 5.5-6.0' bgs.
6	-6				Bottom of Boring at 6.0' bgs.	
7	-7					
8	-8					Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
9	-9					
10						

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FHBKG	: Background
Start Date	: 01/14/97
End Date	: 01/14/97
Northing Coord.	: Not
Easting Coord.	: Surveyed
Total Depth of Boring	: 17.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: 15.0 feet
Depth Drilled Into Rock	: 2.0 feet
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. NS	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	0				Topsoil 0.0-0.4'	Sample BKSB135 collected 0.0-1.0' bgs.
1	-1	CL			Silty CLAY; weathered limestone fragments; dry; firm; non-plastic; 10YR6/8 brownish yellow.	
2	-2					
3	-3				Same as above; dry.	Description from soil cuttings.
4	-4					
5	-5				Same as above; dry; mottled with 2.5Y7/3 pale yellow.	Sample BKSB136 collected 5.0-5.5' bgs.
6	-6					
7	-7				Same as above; dry.	Description from soil cuttings.
8	-8					
9	-9				Same as above; dry.	Sample BKSB137 collected 9.0-9.5' bgs.
10	-10					
11	-11					
12	-12				Same as above; dry.	Description from soil cuttings.
13	-13					
14	-14				Same as above; less silty; dry.	Sample BKSB138 collected 14.0-14.5' bgs.
15	-15				Same as above; dry.	
16	-16	LS			LIMESTONE, weathered; blue-gray.	
17	-17				Same as above; dry.	Sample BKSB139 collected 16.5-17.0' bgs.
18	-18				Bottom of Boring at 17.0' bgs.	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
19	-19					
20						

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Boring FHBKG-SB109

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FHBKG	: Background
Start Date	: 01/15/97
End Date	: 01/15/97
Northing Coord.	: 3471041.79 m
Easting Coord.	: 626015.26 m UTM 14 North
Total Depth of Boring	: 24.0 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: Not Encountered
Depth Drilled Into Rock	: NA
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 730.62ft	USCS	GRAPHIC	Water Levels	DESCRIPTION	REMARKS
0	730	CL			Silty CLAY; trace roots; trace rock fragments <1cm, angular to subrounded; damp; highly plastic; 5YR2.5/1 black.	Sample BKSB140 collected 0.0-1.0' bgs.
1						
2	729				Same as above; damp.	
3	728					
4	727				Same as above; damp.	Description from soil cuttings.
5	726					Sample BKSB141 collected 4.0-5.0' bgs.
6	725	CL			Silty CLAY; trace weathered limestone fragments; dry; stiff; non-plastic; 7.5YR6/4 light brown.	
7	724					
8	723				Some sand, fine, from 8-9' bgs.	Description from soil cuttings.
9	722				Same as above; dry.	
10	721					Sample BKSB142 collected 9.0-10.0' bgs.
11	720				Same as above except rock fragments (mostly weathered limestone) up to 20% of total matrix.	
12	719					
13	718				Same as above; dry.	Description from soil cuttings.
14	717					
15	716				Same as above; with limestone fragments up to 40%; also 10% fine sand; dry.	Sample BKSB143 collected 14.5-15.0' bgs.
16	715					
17	714				Same as above; dry.	Description from soil cuttings.
18	713					
19	712				Same as above; dry.	Sample BKSB144 collected 19.0-19.3' bgs.
20	711					
21	710					Description from soil cuttings.
22	709				Same as above; dry.	
23	708	SM			Silty SAND, fine to medium; moist; soft; moderately plastic; 7.5Y6/8 reddish yellow and 7.5 YR7/1 light gray.	Water in hole, attempted sample, no recovery in gravel at 24'
24	707	GP			Bottom of boring at 24.0' bgs. GRAVEL,angular;saturated	Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
25	706					

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RCRA Facilities Investigation
Fort Hood, Texas

U. S. Army Corp of Engineers
Fort Worth District
Fort Worth, Texas

Boring FHBKG-SB110

(Page 1 of 1)

FHBKG	: Background
Start Date	: 12/13/96
End Date	: 12/13/96
Northing Coord.	: 3472081.13 m
Easting Coord.	: 626432.83 m UTM 14 North
Total Depth of Boring	: 34.5 feet

Drilling Company	: Terra-Mar
Driller	: Bill Christopher
Designation of Drill	: Mobile Drill B-59
Type of Drill Rig	: Hollow Stem Auger
Geologist	: Jeff DeVaughn
Depth to Bedrock	: Not Encountered
Depth Drilled Into Rock	: NA
Borehole Diameter	: 8 inches
Sampling Equipment	: 4.25" Augers
	: CME Sampler 5' long

Depth in feet	Surf. Elev. 729.66ft	USCS	DESCRIPTION	REMARKS
0	729	SM	SAND, fine to medium; some silt; damp; soft; non-plastic; 7.5YR5/6 strong brown.	Sample BKSB127 collected 0.0-1.0' bgs.
1	728		Same as above; damp to moist.	
2	727			
3	726	SC	Clayey SAND; damp; firm; moderately plastic; 2.5YR4/6 red.	
4	725		Same as above; damp.	Sample BKSB128 collected 4.0-6.0' bgs.
5	724			
6	723		Same as above; damp.	
7	722			
8	721		Same as above; damp.	Geotechnical sample collected 8.0-9.0' bgs.
9	720			
10	719		Same as above; slightly less clay; dry.	Sample BKSB129 collected 10.0-11.0' bgs.
11	718			
12	717		Same as above; dry.	
13	716			
14	715		Same as above; less clay; dry; color change 5YR5/6 yellowish red.	
15	714		Same as above; dry.	Sample BKSB130 collected 15.0-16.0' bgs.
16	713		Same as above; dry;	
17	712			
18	711		Same as above; more clay; dry.	
19	710	CL	Silty CLAY; trace sand; trace tan weathered limestone fragments; dry; hard; 7.5YR6/6 reddish yellow.	Sample BKSB131 collected 20.0-21.0' bgs.
20	709		Same as above; dry.	
21	708			
22	707		Same as above; dry.	
23	706			
24	705		Same as above; dry.	Sample BKSB132 collected 25.0-26.0' bgs.
25	704			
26	703		Same as above; dry.	
27	702			
28	701		Same as above; with more silt; moist; softer.	
29	700			
30	699		Same as above; except very silty; damp; soft.	Sample BKSB133 collected 30.0-31.0' bgs.
31	698			
32	697			
33	696	SM	Silty SAND, fine; trace gravel and coarse sand at bottom; saturated; non-plastic; 7.5Y6/6 reddish yellow.	Sample BKSB134 collected 34.0-34.5' bgs.
34	695	GW	SAND, coarse, and GRAVEL, poorly sorted, angular to round; saturated; 1.5 water in hole.	
35	694		Bottom of boring at 34.5' bgs.	
36	693			
37	692			
38	691			Soil colors from Munsell Soil Color Chart, 1992 Revised Edition.
39	690			
40				

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APPENDIX F

Statistical Calculations

Formulas for Shapiro Wilk or W test

1. Compute the denominator d of the W test statistic. using the n data:

$$d=\sum(x_i-x)^2$$

2. Order the n data form 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 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 $a_1, a_2, \ldots, a_k$.

5. Then compute W

$$W= 1/d\{\sum a_1(x_{[n-i+1]} - x_{[i]})\}^2$$

6. Reject H0 at the α 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 logrithms 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.

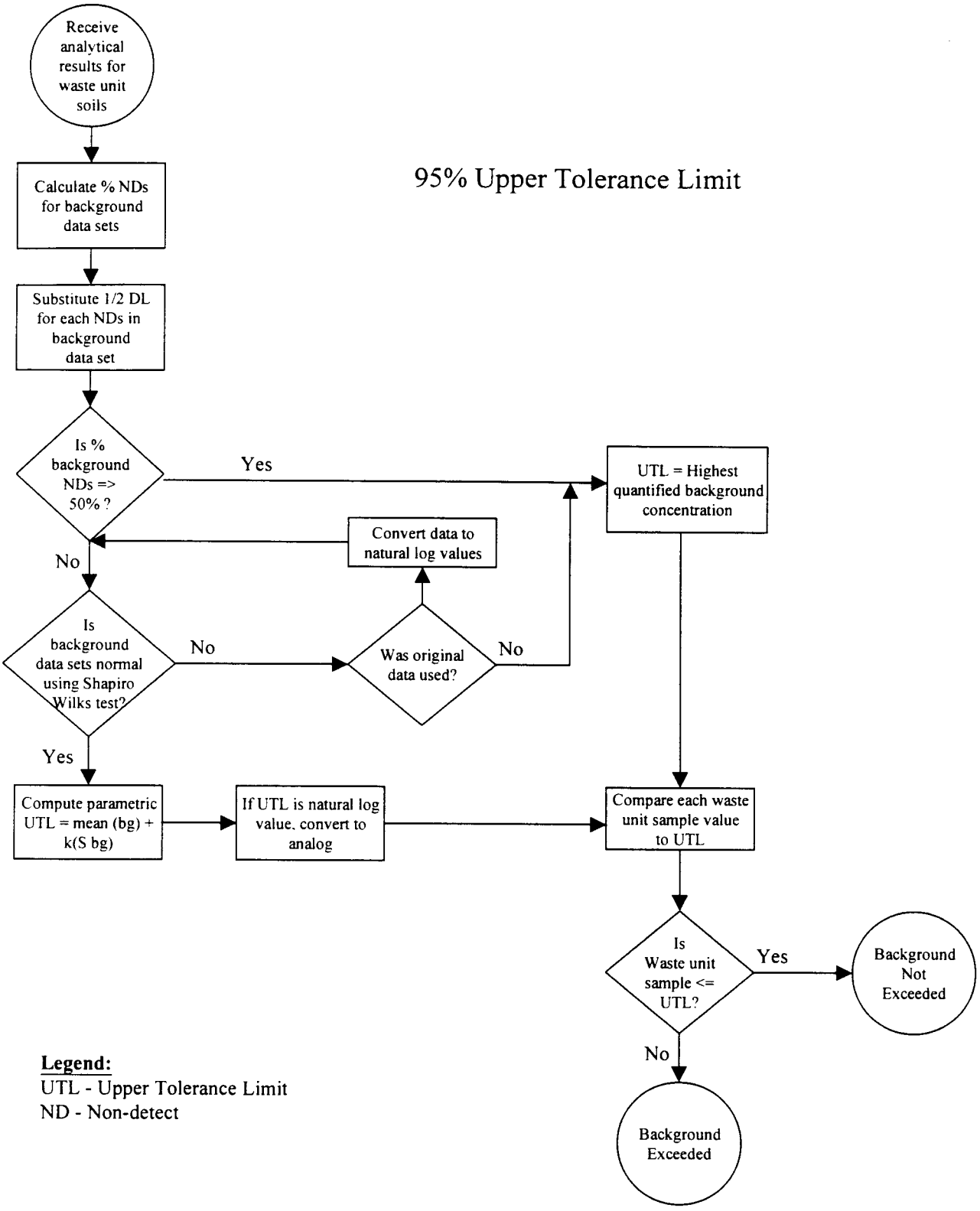
3. Find the standard deviation of data set

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)

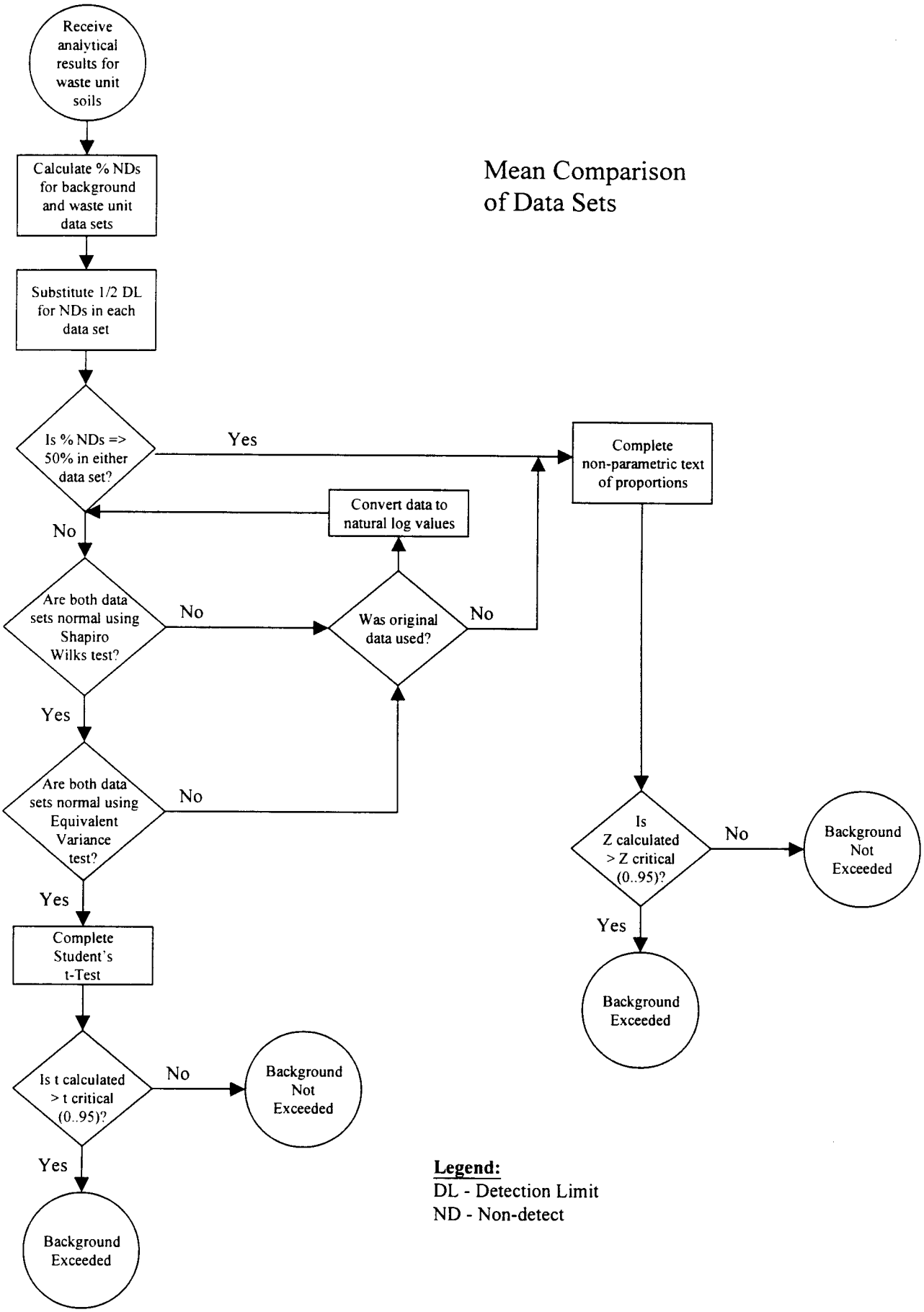
For lognormal distribution, need to take the exponent of the 95%UTL of the log.

95% Upper Tolerance Limit



Legend:
UTL - Upper Tolerance Limit
ND - Non-detect

Mean Comparison of Data Sets



Legend:
DL - Detection Limit
ND - Non-detect

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	3.05870707
BKSB102	0.04	U	2	8	J	2.07944154
BKSB103	0.04	U	9.1	14.7	J	2.68784749
BKSB105	0.04	U	4.3	23.4	J	3.15273602
BKSB106	0.04	U	4.4	43.7	J	3.7773481
BKSB107	0.04	U				
BKSB109	0.04	U	3.5	155	J	5.04342512
BKSB110	0.04	U	4.8	24.1	J	3.18221184
BKSB111	0.04	U	5.2	7.2	J	1.97408103
BKSB113	0.04	U	5.7	20.5	J	3.02042489
BKSB114	0.04	U	5.2	25.2	J	3.22684399
BKSB115	0.04	U	5.3	10.6	J	2.360854
BKSB116	0.04	U	11.6	4.9	J	1.58923521
BKSB118	0.04	U	2.6	4.4	J	1.48160454
BKSB119	0.04	U	0.66	3		1.09861229
BKSB120	0.04	U	0.44	2		0.69314718
BKSB122	0.04	U	3.2	6.1		1.80828877
BKSB123	0.04	U	3.8	5.5		1.70474809
BKSB125	0.04	U	3.2	18.1		2.89591194
BKSB126	0.04	U	2.5	5.4		1.68639895
BKSB128	0.04		3.6	36.3		3.59181774
BKSB129	0.04	U	2.6	26.3		3.26956894
BKSB130	0.04	U	1	8.1		2.09186406
BKSB131	0.04	U	5.3	65.9		4.18813844
BKSB132	0.04	U	4.2	41.7		3.73050113
BKSB133	0.04	U	3.2	68.6		4.22829253
BKSB134	0.04	U	2.9	20.1		3.00071982
BKSB136	0.04	U	4.3	14.8	J	2.69462718
BKSB137	0.04	U	8.2	7.8	J	2.05412373
BKSB138	0.04	U	9.2	12.2	J	2.50143595
BKSB139	0.04	U	7.6	7.3	J	1.98787435
BKSB141	0.04	U	5.6	127	J	4.84418709
BKSB142	0.04	U	3.8	63	J	4.14313473
BKSB143	0.04	U	3.8	39.3	J	3.67122452
BKSB144	0.04	U	3.7	36.1	J	3.58629287
BKSB104	0.04	U	6.2	28.2	J	3.33932198
BKSB108	0.04	U	6	72.4	J	4.2822063
BKSB112	0.04	U	1.6	6.6	J	1.88706965
BKSB117	0.04	U	4.4	27.9	J	3.32862669
BKSB121	0.04	U	4.1	24		3.17805383
BKSB124	0.04	U	6	19.3		2.9601051
BKSB127	0.04	U	1.9	18.8		2.93385687
BKSB135	0.04	U	2.7	15.4	J	2.73436751
BKSB140	0.04	U	4.8	108	J	4.68213123
%nondetects=	0.04	0.95744681			0	
Distribution	D		N			L
Mean	0.04		4.35348837	30.1906977		2.91700954
std dev	0		2.29920368	33.4734423		1.01859487
n	44		43	43		43
K	2.097		2.102	2.102		2.102
UTL	0.04		9.1864145	100.55187		5.058096
UTL(ln)=exp(mean + K(std d						157.29074

Soil Background							
smp_id	Cadmium				Chromium		
	Result (x)	Qual	1/2 nondetects	Ln(x)	Result (x)	Qual	Ln(x)
BKSB101	0.12		0.12	-2.1202635	5.1	J	1.62924054
BKSB102	0.05		0.05	-2.9957323	10.3	J	2.3321439
BKSB103	0.05	U	0.025	-3.6888795	10.1	J	2.31253542
BKSB105	0.11		0.11	-2.2072749	4	J	1.38629436
BKSB106	0.16		0.16	-1.8325815	7.6	J	2.02814825
BKSB107	0.35		0.35	-1.0498221	5.1	J	1.62924054
BKSB109	0.07		0.07	-2.65926	6.5	J	1.87180218
BKSB110	0.06		0.06	-2.8134107	16.6	J	2.8094027
BKSB111	0.05		0.05	-2.9957323	6.2	J	1.82454929
BKSB113	0.07		0.07	-2.65926	8.9	J	2.18605128
BKSB114	0.05	U	0.025	-3.6888795	20.3	J	3.01062089
BKSB115	0.06		0.06	-2.8134107	7.3	J	1.98787435
BKSB116	0.2		0.2	-1.6094379	2.7	J	0.99325177
BKSB118	0.19		0.19	-1.6607312	2.2	J	0.78845736
BKSB119	0.06		0.06	-2.8134107	2.1		0.74193734
BKSB120	0.04	U	0.02	-3.912023	0.93		-0.0725707
BKSB122	0.06		0.06	-2.8134107	4.9		1.58923521
BKSB123	0.08		0.08	-2.5257286	4.3		1.45861502
BKSB125	0.11		0.11	-2.2072749	5.1		1.62924054
BKSB126	0.06		0.06	-2.8134107	5.5		1.70474809
BKSB128	0.05	U	0.025	-3.6888795	8.5		2.14006616
BKSB129	0.04	U	0.02	-3.912023	4.6		1.5260563
BKSB130	0.07		0.07	-2.65926	1.8		0.58778666
BKSB131	0.15		0.15	-1.89712	7.7		2.04122033
BKSB132	0.04	U	0.02	-3.912023	5.9		1.77495235
BKSB133	0.11		0.11	-2.2072749	4.9		1.58923521
BKSB134	0.08		0.08	-2.5257286	1.2		0.18232156
BKSB136	0.2	J	0.2	-1.6094379	8.3		2.11625551
BKSB137	0.18	J	0.18	-1.7147984	8.1		2.09186406
BKSB138	0.21	J	0.21	-1.5606477	11.1		2.40694511
BKSB139	0.2	J	0.2	-1.6094379	8.4		2.12823171
BKSB141	0.45	J	0.45	-0.7985077	23.6		3.16124671
BKSB142	0.29	J	0.29	-1.2378744	8.4		2.12823171
BKSB143	0.27	J	0.27	-1.3093333	12.2		2.50143595
BKSB144	0.2	J	0.2	-1.6094379	6.5		1.87180218
BKSB104	0.15		0.15	-1.89712	3.1	J	1.13140211
BKSB108	0.2		0.2	-1.6094379	12.9	J	2.55722731
BKSB112	0.04	U	0.02	-3.912023	4	J	1.38629436
BKSB117	0.18		0.18	-1.7147984	5.7	J	1.74046617
BKSB121	0.18		0.18	-1.7147984	6.3		1.84054963
BKSB124	0.11		0.11	-2.2072749	7.2		1.97408103
BKSB127	0.04	U	0.02	-3.912023	3.7		1.30833282
BKSB135	0.17	J	0.17	-1.7719568	6.1		1.80828877
BKSB140	0.79	J	0.79	-0.2357223	16.1		2.77881927
%nondetects=		0.19148936				0	
Distribution				L			L
Mean	0.14545455			-2.343338	7.31886364		1.78668026
std dev	0.13475999			0.92656476	4.7817999		0.68062712
n	44			44	44		44
K	2.097			2.097	2.097		2.097
UTL	0.4280462			-0.400332	17.346298		3.2139553
UTL(ln)=exp(me				**0.6700977**			**24.87729**

Soil Background							
smp_id	Lead			Selenium		Silver	
	Result (x)	Qual	Ln(x)	Result (x)	Qual	Result (x)	Qual
BKSB101	6	J	1.79175947	0.37	U	0.24	U
BKSB102	5	J	1.60943791	0.36	U	0.23	U
BKSB103	9.5	J	2.2512918	0.38	U	0.24	U
BKSB105	3.9	J	1.36097655	0.33	U	0.21	U
BKSB106	5	J	1.60943791	0.33	U	0.21	U
BKSB107	6.1	J	1.80828877	0.36	U	0.23	U
BKSB109	3.2	J	1.16315081	0.34	U	0.22	U
BKSB110	7.8	J	2.05412373	0.36	U	0.23	U
BKSB111	5.3	J	1.66770682	0.35	U	0.22	U
BKSB113	6	J	1.79175947	0.36	U	0.23	U
BKSB114	7.7	J	2.04122033	0.38	U	0.24	U
BKSB115	5.1	J	1.62924054	0.32	U	0.2	U
BKSB116	5.6	J	1.7227666	0.33	U	0.21	U
BKSB118	3.7	J	1.30833282	0.34	U	0.21	U
BKSB119	1.3	J	0.26236426	0.33	U	0.21	U
BKSB120	0.72	J	-0.3285041	0.32	U	0.2	U
BKSB122	4.1	J	1.41098697	0.33	U	0.21	U
BKSB123	3.8	J	1.33500107	0.33	U	0.21	U
BKSB125	1.7	J	0.53062825	0.36		0.2	U
BKSB126	1.5	J	0.40546511	0.44		0.21	U
BKSB128	7.5	J	2.01490302	0.35	U	0.22	U
BKSB129	4.1	J	1.41098697	0.33	U	0.21	U
BKSB130	3.1	J	1.13140211	0.32	U	0.2	U
BKSB131	10.1	J	2.31253542	0.34	U	0.22	U
BKSB132	7.8	J	2.05412373	0.34	U	0.21	U
BKSB133	6.3	J	1.84054963	0.35	U	0.22	U
BKSB134	2.3	J	0.83290912	0.33	U	0.21	U
BKSB136	3	J	1.09861229	0.32	R	0.22	U
BKSB137	2.3	J	0.83290912	0.31	R	0.21	U
BKSB138	4.1	J	1.41098697	0.32	R	0.22	U
BKSB139	3.6	J	1.28093385	0.31	R	0.21	U
BKSB141	12.1	J	2.49320545	1.8	R	0.25	U
BKSB142	5	J	1.60943791	1.9	R	0.25	U
BKSB143	6.6	J	1.88706965	0.35	R	0.24	U
BKSB144	4	J	1.38629436	0.31	R	0.21	U
BKSB104	5.3	J	1.66770682	0.32	U	0.2	U
BKSB108	9.8	J	2.28238239	0.37	U	0.23	U
BKSB112	1.5	J	0.40546511	0.32	U	0.2	U
BKSB117	8.3	J	2.11625551	0.33	U	0.21	U
BKSB121	10.2	J	2.32238772	0.34	U	0.22	U
BKSB124	4.5	J	1.5040774	0.34	U	0.21	U
BKSB127	3.8	J	1.33500107	0.33	U	0.21	U
BKSB135	2.5	J	0.91629073	1.5	R	0.21	U
BKSB140	33.2	J	3.50254988	0.35	R	0.24	U
%nondetects=		0					
Distribution			L	D		D	
Mean	5.77318182		1.52441844	— 0.345		0.21795455	
std dev	4.99838289		0.67810106	0.02427744		0.01390659	
n	44		44				
K	2.097		2.097				
UTL	16.254791		2.9463964				
UTL(ln)=exp(me			19.037227				

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	4.3534884					
n=	43					
sum of xi^2	1036.9992					
1/n=	0.0232558					
xi=(sum xi)^2	35043.84					
d=	222.02618					
W=	0.9398279					
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	1.27411121
	-0.415515444	0.172653084	2.219203484	2.63471893	0.2684	0.70715856
	0	0	2.208274414	2.20827441	0.2334	0.51541125
	0.470003629	0.220903412	2.104134154	1.63413053	0.2078	0.33957232
	0.641853886	0.411976411	2.028148247	1.38629436	0.1871	0.25937567
	0.693147181	0.480453014	1.824549292	1.13140211	0.1695	0.19177266
	0.916290732	0.839588705	1.791759469	0.87546874	0.1539	0.13473464
	0.955511445	0.913002122	1.791759469	0.83624802	0.1398	0.11690747
	0.955511445	0.913002122	1.740466175	0.78495473	0.1269	0.09961076
	0.993251773	0.986549085	1.722766598	0.72951482	0.1149	0.08382125
	1.064710737	1.133608953	1.667706821	0.60299608	0.1035	0.06241009
	1.098612289	1.206948961	1.667706821	0.56909453	0.0927	0.05275506
	1.16315081	1.352919806	1.648658626	0.48550782	0.0824	0.04000584
	1.16315081	2.781246039	1.648658626	0.48550782	0.0724	0.03515077
	1.16315081	6.007425991	1.568615918	0.40546511	0.0628	0.02546321
	1.252762968	2.195152016	1.568615918	0.31585295	0.0534	0.01686655
	1.280933845	0.913002122	1.481604541	0.2006707	0.0442	0.00886964
	1.30833282	0.172653084	1.481604541	0.17327172	0.0352	0.00609916
	1.335001067	0.674009067	1.458615023	0.12361396	0.0263	0.00325105
	1.335001067	1.99088424	1.458615023	0.12361396	0.0175	0.00216324
	1.335001067	1.352919806	1.435084525	0.10008346	0.0087	0.00087073
	1.410986974	1.782227848	1.410986974	0		0
	1.435084525	3.210401996	1.335001067	-0.1000835		0
	1.458615023	1.352919806	1.335001067	-0.123614		0
	1.458615023	0.839588705	1.335001067	-0.123614		
	1.481604541	0.411976411	1.30833282	-0.1732717		3.97638115
	1.481604541	1.640791516	1.280933845	-0.2006707		
	1.568615918	0.913002122	1.252762968	-0.3158529	W(0.05,43)	0.943
	1.568615918	0	1.16315081	-0.4054651	W(ln)=	0.91061638
	1.648658626	2.781246039	1.16315081	-0.4855078		
	1.648658626	2.059467595	1.16315081	-0.4855078		
	1.667706821	1.352919806	1.098612289	-0.5690945		
	1.667706821	1.133608953	1.064710737	-0.6029961		
	1.722766598	0.986549085	0.993251773	-0.7295148		
	1.740466175	2.127557784	0.955511445	-0.7849547		
	1.791759469	4.427380539	0.955511445	-0.836248		
	1.791759469	4.924864104	0.916290732	-0.8754687		
	1.824549292	4.113385313	0.693147181	-1.1314021		
	2.028148247	2.460555898	0.641853886	-1.3862944		
	2.104134154	2.96792475	0.470003629	-1.6341305		
	2.208274414	1.782227848	0	-2.2082744		
	2.219203484	1.782227848	-0.415515444	-2.6347189		
	2.451005098	1.711734767	-0.820980552	-3.2719857		
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=	0.73470973
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	0.48045301	5.043425117	4.35027794	0.3894	1.693998228
	1.098612289	1.20694896	4.844187086	3.7455748	0.2684	1.005312276
	1.481604541	2.19515202	4.682131227	3.20052669	0.2334	0.747002929
	1.589235205	2.52566854	4.282206299	2.69297109	0.2078	0.559599393
	1.686398954	2.84394143	4.228292535	2.54189358	0.1871	0.475588289
	1.704748092	2.90616606	4.188138442	2.48339035	0.1695	0.420934664
	1.808288771	3.26990828	4.143134726	2.33484596	0.1539	0.359332793
	1.887069649	3.56103186	3.777348102	1.89027845	0.1398	0.264260928
	1.974081026	3.8969959	3.730501129	1.7564201	0.1269	0.222889711
	1.987874348	3.95164442	3.671224519	1.68335017	0.1149	0.193416935
	2.054123734	4.21942431	3.591817741	1.53769401	0.1035	0.15915133
	2.079441542	4.32407713	3.586292865	1.50685132	0.0927	0.139685118
	2.091864062	4.37589525	3.339321978	1.24745792	0.0824	0.102790532
	2.360854001	5.57363161	3.328626689	0.96777269	0.0724	0.070066743
	2.501435952	6.25718182	3.269568939	0.76813299	0.0628	0.048238752
	2.687847494	7.22452415	3.226843995	0.5389965	0.0534	0.028782413
	2.694627181	7.26101564	3.18221184	0.48758466	0.0442	0.021551242
	2.734367509	7.47676568	3.17805383	0.44368632	0.0352	0.015617758
	2.895911938	8.38630595	3.152736022	0.25682408	0.0263	0.006754473
	2.93385687	8.60751613	3.058707073	0.1248502	0.0175	0.002184879
	2.960105096	8.76222218	3.020424886	0.06031979	0.0087	0.000524782
	3.000719815	9.00431941	3.000719815	0		0
	3.020424886	9.12296649	2.960105096	-0.0603198		0
	3.058707073	9.35568896	2.93385687	-0.1248502		0
	3.152736022	9.93974443	2.895911938	-0.2568241		
	3.17805383	10.1000261	2.734367509	-0.4436863		6.537684167
	3.18221184	10.1264722	2.694627181	-0.4875847		
	3.226843995	10.4125222	2.687847494	-0.5389965	W(0.05.43)	0.943
	3.269568939	10.690081	2.501435952	-0.768133	W(ln)=	0.98083423
	3.328626689	11.0797556	2.360854001	-0.9677727		
	3.339321978	11.1510713	2.091864062	-1.2474579		
	3.586292865	12.8614965	2.079441542	-1.5068513		
	3.591817741	12.9011547	2.054123734	-1.537694		
	3.671224519	13.4778895	1.987874348	-1.6833502		
	3.730501129	13.9166387	1.974081026	-1.7564201		
	3.777348102	14.2683587	1.887069649	-1.8902785		
	4.143134726	17.1655654	1.808288771	-2.334846		
	4.188138442	17.5405036	1.704748092	-2.4833903		
	4.228292535	17.8784578	1.686398954	-2.5418936		
	4.282206299	18.3372908	1.589235205	-2.6929711		
	4.682131227	21.9223528	1.481604541	-3.2005267		
	4.844187086	23.4661485	1.098612289	-3.7455748		
	5.043425117	25.4361369	0.693147181	-4.3502779		
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)^	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)	smp_id
BKSB101	0.12	0.0144	0.02	0.79	0.77	0.3872	0.298144	BKSB101
BKSB102	0.05	0.0025	0.02	0.45	0.43	0.2667	0.114681	BKSB102
BKSB103	0.025	0.00063	0.02	0.35	0.33	0.2323	0.076659	BKSB103
BKSB104	0.15	0.0225	0.02	0.29	0.27	0.2072	0.055944	BKSB104
BKSB105	0.11	0.0121	0.02	0.27	0.25	0.1868	0.0467	BKSB105
BKSB106	0.16	0.0256	0.025	0.21	0.185	0.1695	0.031358	BKSB106
BKSB107	0.35	0.1225	0.025	0.2	0.175	0.1542	0.026985	BKSB107
BKSB108	0.2	0.04	0.025	0.2	0.175	0.1405	0.024588	BKSB108
BKSB109	0.07	0.0049	0.05	0.2	0.15	0.1278	0.01917	BKSB109
BKSB110	0.08	0.0036	0.05	0.2	0.15	0.116	0.0174	BKSB110
BKSB111	0.05	0.0025	0.06	0.2	0.14	0.1049	0.014686	BKSB111
BKSB112	0.02	0.0004	0.06	0.19	0.13	0.0943	0.012259	BKSB112
BKSB113	0.07	0.0049	0.06	0.18	0.12	0.0842	0.010104	BKSB113
BKSB114	0.025	0.00063	0.06	0.18	0.12	0.0745	0.00894	BKSB114
BKSB115	0.06	0.0036	0.06	0.18	0.12	0.0651	0.007812	BKSB115
BKSB116	0.2	0.04	0.07	0.17	0.1	0.056	0.0056	BKSB116
BKSB117	0.18	0.0324	0.07	0.16	0.09	0.0471	0.004239	BKSB117
BKSB118	0.19	0.0361	0.07	0.15	0.08	0.0383	0.003064	BKSB118
BKSB119	0.06	0.0036	0.08	0.15	0.07	0.0296	0.002072	BKSB119
BKSB120	0.02	0.0004	0.08	0.12	0.04	0.0211	0.000844	BKSB120
BKSB121	0.18	0.0324	0.11	0.11	0	0.0126	0	BKSB121
BKSB122	0.06	0.0036	0.11	0.11	0	0.0042	0	BKSB122
BKSB123	0.08	0.0064	0.11	0.11	0	0	0	BKSB123
BKSB124	0.11	0.0121	0.11	0.11	0		0	BKSB124
BKSB125	0.11	0.0121	0.12	0.08	-0.04			BKSB125
BKSB126	0.06	0.0036	0.15	0.08	-0.07	Sum of b=	0.781248	BKSB126
BKSB127	0.02	0.0004	0.15	0.07	-0.08			BKSB127
BKSB128	0.025	0.00063	0.16	0.07	-0.09	W=	0.744801	BKSB128
BKSB129	0.02	0.0004	0.17	0.07	-0.1	W(0.05.44)	0.944	BKSB129
BKSB130	0.07	0.0049	0.18	0.06	-0.12			BKSB130
BKSB131	0.15	0.0225	0.18	0.06	-0.12			BKSB131
BKSB132	0.02	0.0004	0.18	0.06	-0.12			BKSB132
BKSB133	0.11	0.0121	0.19	0.06	-0.13			BKSB133
BKSB134	0.08	0.0064	0.2	0.06	-0.14			BKSB134
BKSB135	0.17	0.0289	0.2	0.05	-0.15			BKSB135
BKSB136	0.2	0.04	0.2	0.05	-0.15			BKSB136
BKSB137	0.18	0.00063	0.2	0.025	-0.175			BKSB137
BKSB138	0.21	0.0225	0.2	0.025	-0.175			BKSB138
BKSB139	0.2	0.0121	0.21	0.025	-0.185			BKSB139
BKSB140	0.79	0.0256	0.27	0.02	-0.25			BKSB140
BKSB141	0.45	0.1225	0.29	0.02	-0.27			BKSB141
BKSB142	0.29	0.04	0.35	0.02	-0.33			BKSB142
BKSB143	0.27	0.0049	0.45	0.02	-0.43			BKSB143
BKSB144	0.2	0.0036	0.79	0.02	-0.77			BKSB144
Sum of xi	6.225							Sum of xi
Mean	0.14147727							Mean
n=	44							n=
sum of xi^2	1.700175							sum of xi^2
1/n=	0.02272727							1/n=
xi=(sum xi)^2	38.750625							xi=(sum xi)^2
d=	0.81947898							d=
W=	0.7448006							W=
W(0.05.44)=	0.944							W(0.05.44)=
W<W(0.5.44), the distribution is not normal								W<W(0.5.44),

Shapiro Wilk for Cadmium

ln of ordered Conc. x(i)	ln(xi)^2	ln of Reverse Order xi n-i+1)	Difference x(n-i+1)-x(i)	a(n-i+1)	b(i)
-3.912023005	15.303924	-0.2357223	3.67630067	0.3872	1.42346362
-3.912023005	15.303924	-0.7985077	3.11351531	0.2667	0.83037453
-3.912023005	15.303924	-1.0498221	2.86220088	0.2323	0.66488926
-3.912023005	15.303924	-1.2378744	2.67414865	0.2072	0.5540836
-3.912023005	15.303924	-1.3093333	2.60268969	0.1868	0.48618243
-3.688879454	13.607832	-1.5606477	2.12823171	0.1695	0.36073527
-3.688879454	13.607832	-1.6094379	2.07944154	0.1542	0.32064989
-3.688879454	13.607832	-1.6094379	2.07944154	0.1405	0.29216154
-2.995732274	8.9744119	-1.6094379	1.38629436	0.1278	0.17716842
-2.995732274	8.9744119	-1.6094379	1.38629436	0.116	0.16081015
-2.813410717	7.9152799	-1.6094379	1.2039728	0.1049	0.12629675
-2.813410717	7.9152799	-1.6607312	1.15267951	0.0943	0.10869768
-2.813410717	7.9152799	-1.7147984	1.09861229	0.0842	0.09250315
-2.813410717	7.9152799	-1.7147984	1.09861229	0.0745	0.08184662
-2.813410717	7.9152799	-1.7147984	1.09861229	0.0651	0.07151966
-2.659260037	7.0716639	-1.7719568	0.8873032	0.056	0.04968898
-2.659260037	7.0716639	-1.8325815	0.82667857	0.0471	0.03893656
-2.659260037	7.0716639	-1.89712	0.76214005	0.0383	0.02918996
-2.525728644	6.3793052	-1.89712	0.62860866	0.0296	0.01860682
-2.525728644	6.3793052	-2.1202635	0.40546511	0.0211	0.00855531
-2.207274913	4.8720625	-2.2072749	0	0.0126	0
-2.207274913	4.8720625	-2.2072749	0	0.0042	0
-2.207274913	4.8720625	-2.2072749	0	0	0
-2.207274913	4.8720625	-2.2072749	0		0
-2.120263536	4.4955175	-2.5257286	-0.40546511		
-1.897119985	3.5990642	-2.5257286	-0.62860866	Sum of b=	5.8963602
-1.897119985	3.5990642	-2.65926	-0.76214005		
-1.832581464	3.3583548	-2.65926	-0.82667857	W=	0.94177684
-1.771956842	3.139831	-2.65926	-0.8873032	W(0.05,44)	0.944
-1.714798428	2.9405336	-2.8134107	-1.09861229		
-1.714798428	2.9405336	-2.8134107	-1.09861229		
-1.714798428	2.9405336	-2.8134107	-1.09861229		
-1.660731207	2.7580281	-2.8134107	-1.15267951		
-1.609437912	2.5902904	-2.8134107	-1.2039728		
-1.609437912	2.5902904	-2.9957323	-1.38629436		
-1.609437912	2.5902904	-2.9957323	-1.38629436		
-1.609437912	2.5902904	-3.6888795	-2.07944154		
-1.609437912	2.5902904	-3.6888795	-2.07944154		
-1.560647748	2.4356214	-3.6888795	-2.12823171		
-1.30933332	1.7143537	-3.912023	-2.60268969		
-1.237874356	1.5323329	-3.912023	-2.67414865		
-1.049822124	1.1021265	-3.912023	-2.86220088		
-0.798507696	0.6376145	-3.912023	-3.11351531		
-0.235722334	0.055565	-3.912023	-3.67630067		
-103.106874					
-2.343338046					
44					
278.5307172					
0.022727273					
10631.02747					
36.91645655					
0.941776836					
0.944					
he distribution is approximately lognormal					

Shapiro Wilk Chromium

smp_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_i	322.03					
Mean	7.31886364					
n=	44					
sum of x_i^2	3340.1149					
1/n=	0.02272727					
x_n-(sum xi)^2	103703.321					
d=	983.221243					
W=	0.87100033					
W(0.05,44)=	0.944					
W<W(0.5,45), the distribution is not normal						

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	-0.07257069	0.00526651	3.161246712	3.2338174	0.3872	1.2521341
BKSB102	0.182321557	0.03324115	3.010620886	2.82829933	0.2667	0.75430743
BKSB103	0.587786665	0.34549316	2.809402695	2.22161603	0.2323	0.5160814
BKSB104	0.741937345	0.55047102	2.778819272	2.03688193	0.2072	0.42204194
BKSB105	0.78845736	0.62166501	2.557227311	1.76876995	0.1868	0.33040623
BKSB106	0.993251773	0.98654908	2.501435952	1.50818418	0.1695	0.25563722
BKSB107	1.131402111	1.28007074	2.406945108	1.275543	0.1542	0.19668873
BKSB108	1.30833282	1.71173477	2.332143895	1.02381108	0.1405	0.14384546
BKSB109	1.386294361	1.92181206	2.312535424	0.92624106	0.1278	0.11837361
BKSB110	1.386294361	1.92181206	2.186051277	0.79975692	0.116	0.0927718
BKSB111	1.458615023	2.12755778	2.140066163	0.68145114	0.1049	0.07148422
BKSB112	1.526056303	2.32884784	2.128231706	0.6021754	0.0943	0.05678514
BKSB113	1.589235205	2.52566854	2.128231706	0.5389965	0.0842	0.04538351
BKSB114	1.589235205	2.52566854	2.116255515	0.52702031	0.0745	0.03926301
BKSB115	1.62924054	2.65442474	2.091864062	0.46262352	0.0651	0.03011679
BKSB116	1.62924054	2.65442474	2.041220329	0.41197979	0.056	0.02307087
BKSB117	1.62924054	2.65442474	2.028148247	0.39890771	0.0471	0.01878855
BKSB118	1.704748092	2.90616606	1.987874348	0.28312626	0.0383	0.01084374
BKSB119	1.740466175	3.02922251	1.974081026	0.23361485	0.0296	0.006915
BKSB120	1.774952351	3.15045585	1.871802177	0.09684983	0.0211	0.00204353
BKSB121	1.808288771	3.26990828	1.871802177	0.06351341	0.0126	0.00080027
BKSB122	1.824549292	3.32898012	1.840549633	0.01600034	0.0042	6.7201E-05
BKSB123	1.840549633	3.38762295	1.824549292	-0.0160003	0	0
BKSB124	1.871802177	3.50364339	1.808288771	-0.0635134		0
BKSB125	1.871802177	3.50364339	1.774952351	-0.0968498	Sum of b=	4.38784974
BKSB126	1.974081026	3.8969959	1.740466175	-0.2336149		
BKSB127	1.987874348	3.95164442	1.704748092	-0.2831263	W=	0.96653268
BKSB128	2.028148247	4.11338531	1.62924054	-0.3989077	W(0.05,45)	0.945
BKSB129	2.041220329	4.16658043	1.62924054	-0.4119798		
BKSB130	2.091864062	4.37589525	1.62924054	-0.4626235		
BKSB131	2.116255515	4.4785374	1.589235205	-0.5270203		
BKSB132	2.128231706	4.52937019	1.589235205	-0.5389965		
BKSB133	2.128231706	4.52937019	1.526056303	-0.6021754		
BKSB134	2.140066163	4.57988318	1.458615023	-0.6814511		
BKSB135	2.186051277	4.77882018	1.386294361	-0.7997569		
BKSB136	2.312535424	5.34782009	1.386294361	-0.9262411		
BKSB137	2.332143895	5.79338475	1.30833282	-1.0238111		
BKSB138	2.406945108	6.25718182	1.131402111	-1.275543		
BKSB139	2.501435952	6.53941152	0.993251773	-1.5081842		
BKSB140	2.557227311	7.72183655	0.78845736	-1.76877		
BKSB141	2.778819272	7.8927435	0.741937345	-2.0368819		
BKSB142	2.809402695	9.06383812	0.587786665	-2.221616		
BKSB143	3.010620886	9.99348077	0.182321557	-2.8282993		
BKSB144	3.161246712	#REF!	-0.072570693	-3.2338174		
Sum of x_i	78.61393132					
Mean	1.786680257					
n=	44					
sum of x_i^2	160.3778498					
1/n=	0.022727273					
x_i-(sum xi)^	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

smp_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	12.57626
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=	26.37922
BKSB127	3.8	5.3	4.1	-1.2		
BKSB128	7.5	5.6	4	-1.6	W=	0.647733
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	5.773182		—			
n=	44					
sum of xi^2	2540.808					
1/n=	0.022727					
xi=(sum xi)^2	64526.16					
d=	1074.305					
W=	0.647733					
W(0.05,44)=	0.944					
W<W(0.5,44), the distribution is not normal						

Shapiro Wilk for Lead

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	-0.328504067	0.107914922	3.502549876	3.83105394	0.3872	1.48338409
BKSB102	0.262364264	0.068835007	2.493205453	2.23084119	0.2667	0.59496534
BKSB103	0.405465108	0.164401954	2.32238772	1.91692261	0.2323	0.44530112
BKSB104	0.405465108	0.164401954	2.312535424	1.90707032	0.2072	0.39514497
BKSB105	0.530628251	0.281566341	2.282382386	1.75175413	0.1868	0.32722767
BKSB106	0.832909123	0.693737607	2.251291799	1.41838268	0.1695	0.24041586
BKSB107	0.832909123	0.693737607	2.116255515	1.28334639	0.1542	0.19789201
BKSB108	0.916290732	0.839588705	2.054123734	1.137833	0.1405	0.15986554
BKSB109	1.098612289	1.206948961	2.054123734	0.95551145	0.1278	0.12211436
BKSB110	1.131402111	1.280070738	2.041220329	0.90981822	0.116	0.10553891
BKSB111	1.16315081	1.352919806	2.014903021	0.85175221	0.1049	0.08934881
BKSB112	1.280933845	1.640791516	1.887069649	0.6061358	0.0943	0.05715861
BKSB113	1.30833282	1.711734767	1.840549633	0.53221681	0.0842	0.04481266
BKSB114	1.335001067	1.782227848	1.808288771	0.4732877	0.0745	0.03525993
BKSB115	1.335001067	1.782227848	1.791759469	0.4567584	0.0651	0.02973497
BKSB116	1.360976553	1.852257178	1.791759469	0.43078292	0.056	0.02412384
BKSB117	1.386294361	1.921812056	1.722766598	0.33647224	0.0471	0.01584784
BKSB118	1.410986974	1.99088424	1.667706821	0.25671985	0.0383	0.00983237
BKSB119	1.410986974	1.99088424	1.667706821	0.25671985	0.0296	0.00759891
BKSB120	1.410986974	1.99088424	1.62924054	0.21825357	0.0211	0.00460515
BKSB121	1.504077397	2.262248815	1.609437912	0.10536052	0.0126	0.00132754
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	-0.10536052		0
BKSB125	1.62924054	2.654424736	1.410986974	-0.21825357		
BKSB126	1.667706821	2.781246039	1.410986974	-0.25671985	Sum of b=	4.39150052
BKSB127	1.667706821	2.781246039	1.410986974	-0.25671985		
BKSB128	1.722766598	2.96792475	1.386294361	-0.33647224	W(ln)=	0.97536815
BKSB129	1.791759469	3.210401996	1.360976553	-0.43078292		
BKSB130	1.791759469	3.210401996	1.335001067	-0.4567584	W(0.05,44)	0.944
BKSB131	1.808288771	3.26990828	1.335001067	-0.4732877		
BKSB132	1.840549633	3.387622953	1.30833282	-0.53221681		
BKSB133	1.887069649	3.56103186	1.280933845	-0.6061358		
BKSB134	2.014903021	4.059834182	1.16315081	-0.85175221		
BKSB135	2.041220329	4.166580431	1.131402111	-0.90981822		
BKSB136	2.054123734	4.219424313	1.098612289	-0.95551145		
BKSB137	2.054123734	4.219424313	0.916290732	-1.137833		
BKSB138	2.116255515	4.478537404	0.832909123	-1.28334639		
BKSB139	2.251291799	5.068314762	0.832909123	-1.41838268		
BKSB140	2.282382386	5.209269354	0.530628251	-1.75175413		
BKSB141	2.312535424	5.347820087	0.405465108	-1.90707032		
BKSB142	2.32238772	5.393484723	0.405465108	-1.91692261		
BKSB143	2.493205453	6.216073429	0.262364264	-2.23084119		
BKSB144	3.502549876	12.26785563	-0.328504067	-3.83105394		
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 G

FH-004 Screening Results

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-004 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
PZ101	04PZ103	--	Barium	0.137 J	0.0006	mg/l	30 TAC 335 Groundwater	2.0	mg/l
	04SB114	20.0-20.9	Arsenic	3.2 J	0.24	mg/kg	Soil Background	9.2	mg/kg
			Barium	18.2	0.035	mg/kg	Soil Background	157.3	mg/kg
			Chromium	2.6 J	0.12	mg/kg	Soil Background	24.9	mg/kg
			Lead	8.5 J	0.1	mg/kg	Soil Background	19	mg/kg
			Selenium	0.29	0.23	mg/kg	30 TAC 335 Industrial Soil GWP	5.0	mg/kg
PZ102	04PZ102	--	Barium	0.0796 J	0.0006	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0024 J	0.0007	mg/l	30 TAC 335 Groundwater	0.1	mg/l
	04SB115	7.0-8.0	Arsenic	3 J	0.22	mg/kg	Soil Background	9.2	mg/kg
			Barium	5.3	0.031	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.05	0.031	mg/kg	Soil Background	0.67	mg/kg
			Chromium	2.3 J	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	5.1 J	0.094	mg/kg	Soil Background	19	mg/kg
			Silver	0.17	0.1	mg/kg	30 TAC 335 Industrial Soil GWP	51.1	mg/kg
	FHGW169	--	Arsenic	0.0025	0.0021	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.18	0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0012	0.001	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0013	0.0009	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Mercury	0.0002	0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
PZ103	04PZ101	--	Arsenic	0.0142	0.0029	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.456 J	0.0006	mg/l	30 TAC 335 Groundwater	2.0	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-004 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
PZ103	04PZ101	--	Chromium	0.0054 J	0.0007	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0039 J	0.0015	mg/l	30 TAC 335 Groundwater	0.015	mg/l
	04SB116	10.4-11.4	Arsenic	2.8	0.32	mg/kg	Soil Background	9.2	mg/kg
			Barium	6.3	0.06	mg/kg	Soil Background	157.3	mg/kg
			Chromium	2.5	0.07	mg/kg	Soil Background	24.9	mg/kg
			Lead	4.4	0.19	mg/kg	Soil Background	19	mg/kg
SB101	04SB111	0.0-1.0	Arsenic	5.5 J	0.39	mg/kg	Soil Background	9.2	mg/kg
			Barium	64.2	0.07	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.15	0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	9.7 J	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	8.8 J	0.22	mg/kg	Soil Background	19	mg/kg
	FHGW143	--	Arsenic	0.0195	0.0021	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.141	0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Acetone	0.022	0.005	mg/l	30 TAC 335 Groundwater	3.65	mg/l
			Naphthalene	0.009	0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
SB102	04SB112	0.0-1.0	Arsenic	4.3 J	0.36	mg/kg	Soil Background	9.2	mg/kg
			Barium	31.7	0.07	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.1	0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	5.3 J	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	5.8 J	0.21	mg/kg	Soil Background	19	mg/kg
SB103	04SB113	0.0-1.0	Arsenic	3.9	0.36	mg/kg	Soil Background	9.2	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-004 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SB103	04SB113	0.0-1.0	Barium	36.6	J	0.07	mg/kg	Soil Background	157.3	mg/kg
			Chromium	4.1	J	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	6		0.21	mg/kg	Soil Background	19	mg/kg
	FHGW150	--	Arsenic	0.0137		0.0021	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.268		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			1,2,4-trimethylbenzene	0.008		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	1.83	mg/l
			1,4-Dichlorobenzene	0.014		0.005	mg/l	30 TAC 335 Groundwater	0.075	mg/l
			Chlorobenzene	0.022		0.005	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Dichlorodifluoromethane	0.029		0.005	mg/l	30 TAC 335 Groundwater	7.3	mg/l
			m,p-Xylene	0.016		0.005	mg/l	30 TAC 335 Groundwater	10	mg/l
			Naphthalene	0.016		0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
			Toluene	0.086		0.005	mg/l	30 TAC 335 Groundwater	1.0	mg/l
SB104	04SB108	0.0-1.0	Arsenic	4.9	J	0.35	mg/kg	Soil Background	9.2	mg/kg
			Barium	60.8		0.07	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.14		0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	10.3	J	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	9.1	J	0.2	mg/kg	Soil Background	19	mg/kg
			Methylene Chloride	0.008		0.006	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg
	04SB109	15.0-15.5	Arsenic	1.9	J	0.34	mg/kg	Soil Background	9.2	mg/kg
			Barium	5		0.07	mg/kg	Soil Background	157.3	mg/kg
			Chromium	2	J	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	3.9	J	0.2	mg/kg	Soil Background	19	mg/kg
			Methylene Chloride	0.015		0.005	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-004 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SB104	04SB110	18.0-19.0	Arsenic	0.99 J	0.34	mg/kg	Soil Background	9.2	mg/kg
			Barium	5.1	0.07	mg/kg	Soil Background	157.3	mg/kg
			Chromium	3.5 J	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	4.5 J	0.2	mg/kg	Soil Background	19	mg/kg
			Methylene Chloride	0.016	0.005	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg
SB105	04SB106	0.0-1.0	Arsenic	2.6 J	0.37	mg/kg	Soil Background	9.2	mg/kg
			Barium	25.4	0.07	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.08	0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	9.8 J	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	31.5 J	0.22	mg/kg	Soil Background	19	mg/kg
	04SB107	15.0-16.0	Arsenic	0.76 J	0.35	mg/kg	Soil Background	9.2	mg/kg
			Barium	14.9	0.07	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.1	0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	2.1 J	0.08	mg/kg	Soil Background	24.9	mg/kg
			Lead	2.8 J	0.2	mg/kg	Soil Background	19	mg/kg
			Methylene Chloride	0.009	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg
	FHGW144	--	Arsenic	0.0138	0.0021	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.218	0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			1,4-Dichlorobenzene	0.011	0.005	mg/l	30 TAC 335 Groundwater	0.075	mg/l
			Acetone	0.018	0.005	mg/l	30 TAC 335 Groundwater	3.65	mg/l
			Chlorobenzene	0.015	0.005	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Naphthalene	0.027	0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-004 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SB106	04SB101	0.0-1.0	Arsenic	8.2		0.39	mg/kg	Soil Background	9.2	mg/kg
			Barium	87.5	J	0.09	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.16		0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	15.5	J	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	13.2		0.16	mg/kg	Soil Background	19	mg/kg
			Selenium	0.27		0.26	mg/kg	30 TAC 335 Industrial Soil GWP	5.0	mg/kg
	FHGW137	--	Arsenic	0.0085		0.0021	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.112		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Selenium	0.0033	J	0.0022	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			1,2,4-trimethylbenzene	0.043		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	1.83	mg/l
			1,3,5-trimethylbenzene	0.01		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	1.83	mg/l
			Isopropyl Benzene	0.006		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	3.65	mg/l
			m,p-Xylene	0.033		0.005	mg/l	30 TAC 335 Groundwater	10	mg/l
			n-propylbenzene	0.007		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	0.365	mg/l
			Naphthalene	0.022		0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
SB107	04SB104	0.0-1.0	Arsenic	4.5		0.41	mg/kg	Soil Background	9.2	mg/kg
			Barium	46	J	0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.08		0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	7.5	J	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	7.3		0.17	mg/kg	Soil Background	19	mg/kg
	04SB105	11.0-12.0	Arsenic	1.6		0.4	mg/kg	Soil Background	9.2	mg/kg
			Barium	7	J	0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.72		0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	3.6	J	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	6.3		0.17	mg/kg	Soil Background	19	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-004 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SB107	04SB105	11.0-12.0	Bis(2-ethylhexyl)phthalate	1.9		0.4	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			2-Butanone	0.053		0.006	mg/kg	30 TAC 335 Industrial Soil GWP	511	mg/kg
			Acetone	0.034		0.006	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Naphthalene	0.032		0.006	mg/kg	30 TAC 335 Industrial Soil GWP	409	mg/kg
	FHGW139	--	Barium	0.186		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Bis(2-ethylhexyl)phthalate	0.014		0.01	mg/l	30 TAC 335 Groundwater	0.00608	mg/l
			1,2,4-trimethylbenzene	0.006		0.005	mg/l	30 TAC 335 Groundwater Calc. MSC	1.83	mg/l
			1,4-Dichlorobenzene	0.015		0.005	mg/l	30 TAC 335 Groundwater	0.075	mg/l
			Acetone	0.069		0.005	mg/l	30 TAC 335 Groundwater	3.65	mg/l
			Chlorobenzene	0.012		0.005	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Naphthalene	0.16		0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
SB108	04SB102	0.0-1.0	Arsenic	2.7		0.41	mg/kg	Soil Background	9.2	mg/kg
			Barium	20.1	J	0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.08		0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	2.9	J	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	3		0.17	mg/kg	Soil Background	19	mg/kg
	04SB103	14.0-15.0	Arsenic	1.6		0.36	mg/kg	Soil Background	9.2	mg/kg
			Barium	4.9	J	0.09	mg/kg	Soil Background	157.3	mg/kg
			Chromium	1.9	J	0.09	mg/kg	Soil Background	24.9	mg/kg
			Lead	2.9		0.15	mg/kg	Soil Background	19	mg/kg
	FHGW138	--	Arsenic	0.0037		0.0025	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.0573		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l