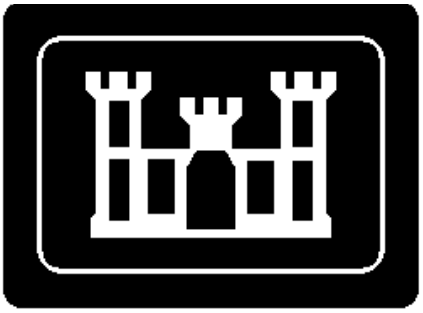
RCRA FACILITY INVESTIGATION REPORT

FOR

FH-027 (Lake A)
FORT HOOD, TEXAS

PREPARED FOR
U.S. ARMY CORPS OF ENGINEERS
FORT WORTH DISTRICT



CONTRACT NO. DACA63-96-D-0021

October 1999

RCRA Facility Investigation Report
For
Site FH-027 (Lake A)

Draft Final

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

Under Contract Number
DACA63-96-D-0021

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October 1999

EXECUTIVE SUMMARY

This report describes the collection and analysis of data from FH-027 (Lake A), one of 35 Solid Waste Management Units (SWMUs) that are the subject of a Resources Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at Fort Hood, Texas. The purpose of the RFI is to determine if a release of contaminants has occurred, and to characterize the potential source and extent of contamination caused by waste disposal operations at the SWMU.

FH-027 is a surface impoundment that receives wash water from vehicle wash racks and storm water runoff from fifteen motor pools along North Avenue on the Main Cantonment. These sources are suspected to contribute contaminants to surface water and sediment in Lake A and its system of drainage ditches. The RFI consisted of sampling of surface water and sediment in both the ditches and Lake A, and of soils beneath the sediment at Lake A. The samples were analyzed for eight RCRA metals, volatile organic compounds (VOCs), and semi-volatile organic compounds (SVOCs). A total of one soil, 37 surface water, and 24 sediment samples were collected for the FH-027 investigation.

Sampling results were subjected to a two-part risk screening process according to guidance in the Texas Natural Resources Conservation Commission (TNRCC) Risk Reduction Standards [RRS, (30 TAC 335 Subchapter S). The RRS Number 1 screen compares sample results either to facility-wide background criteria or analytical practical quantitation limits (PQLs). At FH-027, all eight RCRA metals and several organic compounds were detected above PQLs or background in sediment. In surface water, seven of the eight metals exceeded background levels and several organics exceeded the PQLs. This soil sample collected from beneath Lake A had five metals and two VOCs above PQLs. None of the metals in this soil sample exceeded background concentrations.

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, as follows. (1) Saturated pond sediment results are compared to RRS Number 2 sediment benchmark values. (2) All other sediment and soil results are compared to the 30 TAC 335 industrial soil criteria. (3) Surface water results are compared to the 30 TAC 335 groundwater criteria.

In sediments, cadmium, lead, arsenic, barium, selenium, chromium, mercury, VOCs, and/or SVOCs were present above the RRS Number 2 criteria in 19 samples. The soil sample collected from native material beneath Lake A had no exceedances of the RRS Number 2 criteria. These results indicate that there has not been a release of contamination to the underlying soils by leaching through the sediment, although the pond and ditch sediments show signs of contamination. Surface water samples from Lake A had no constituents that exceeded the RRS Number 2 criteria. However, cadmium and /or lead, VOCs, and SVOCs exceed the RRS Number 2 criteria in several ditch surface water samples. These concentrations diminish to non-detectable quantities by the time the water reaches and exits Lake A. Surface water and sediment analyses indicate that concentrations of contaminants that exceed risk criteria are caused by ongoing activities along North Avenue. Ongoing activities will continue to be a source until Fort Hood is closed.

In summary, the ditches and the pond constitute a properly functioning treatment unit used to remove contaminants prior to discharge to the receiving stream. There being no release of contaminants from Lake A via the surface water pathway or through leaching to in-situ soils, and no current exposure to Lake A sediments, no further action is recommended for FH-027 at this time.

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ACRONYMS

AA	Atomic absorption
BEGM	Bureau of Economic Geology
CQAR	Chemical Quality Assessment Report
DOT	Department of Transportation
DPW	Directorate of Public Works
DQO	Data quality objective
FH	Fort Hood
ft	Feet or foot
GC/MS	Gas chromatography/Mass spectrometry
ICP	Inductively coupled plasma
IDW	Investigation derived waste
LCS	Laboratory control samples
msl	Mean sea level
MS/MSDs	Matrix spike/Matrix spike duplicate
NPDES	National Pollutant Discharge Elimination System
PAH	Polynuclear aromatic hydrocarbons
ppb	Parts per billion
ppm	Parts per million
PQL	Practical quantitation limit
PVC	Polyvinyl chloride
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
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

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 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-027, which includes Lake A and tributary lined and unlined ditches along North Avenue. FH-027 is located near the intersection of North Avenue and 27th Street.

1.1 BACKGROUND

Lake A has a surface area of approximately eleven acres in size and, ranges in depth from a few feet to about 12 feet. The wash rack/storm water systems discharging to Lake A began operation in the late 1960s. Currently, 15 of the 45 wash racks on the main cantonment discharge effluent to Lake A through drainage ditches. Water that is discharged into Lake A is a combination of wash-water generated during the cleaning of military vehicles and storm water runoff from roadways and pavement in the motor pools. Lake A drains a watershed area of 397 acres during storm events. Wash-water from the vehicle wash racks passes through oil/water separators and into lined and unlined ditches that flow into Lake A.

Lake A discharges into an unnamed tributary of Bull Run Creek. Bull Run Creek discharges into Cowhouse Creek, which in turn discharges into Belton Lake, east of Fort Hood. Lake A discharges during all months except the driest, June, July, and August. Lake A is surrounded by grasses, cattails

and brush, and recreational use is prohibited.

1.2 SCOPE AND OBJECTIVES

The objective of the RFI at FH-027 was to determine if a release of hazardous constituents has occurred and to characterize the potential source and extent of contamination. This report assesses the nature of surface water and sediment contamination at Lake A and its drainage ditches and evaluates what, if any, corrective measures are needed.
The specific objectives of the investigation of FH-027 were as follows:

- determine the presence or absence of contaminants in the surface water and sediments along the drainage system upstream of and within Lake A;
- characterize the migration potential of the contaminants identified in the surface water and sediments along the drainage system and within Lake A;
- evaluate the potential human health risks associated with contaminants detected in surface water and sediments; and
- determine what, if any, corrective measures are needed to address contamination associated with SWMU FH-027.

The approach to the RFI included field sampling and laboratory analysis of surface water, sediment, and soil underlying the lake. The sampling and analysis program was conducted in accordance with the Final RCRA Facility Investigation Work Plan for 35 SWMUs (U.S.. Army Corps of Engineers [USACE] 1995), the RCRA Facility Investigation Chemical Data Acquisition Plan and Addendum (USACE 1996), and the Fort Hood RFI Additional Sampling Tasks (Science Applications International Corporation [SAIC] 1998a).

2.0 ENVIRONMENTAL SETTING

The material presented in this section describes the physical characteristics of FH-027 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). SWMU FH-027 elevation is approximately 880 ft above msl.

The rivers, streams, and creeks that constitute the main surface water pathways at Fort Hood are shown on Figure 2.1. The main cantonment lies along a watershed divide between Belton Lake and the Leon River, downstream from the lake. The western and north-central parts of the main cantonment are drained by Clear Creek, which discharges to House Creek. House Creek is a tributary to the eastward-flowing Cowhouse Creek, which discharges to Belton Lake, a man-made reservoir. South Nolan Creek and North Nolan Creek both originate on Fort Hood and flow eastward to the Leon River, downstream of Belton Lake.

2.2 GEOLOGIC CONDITIONS

A summary of the geology of the Fort Hood area relevant to this RFI is adapted from the Final RCRA Facility Investigation Work Plan, 35 Solid Waste Management Units, Fort Hood, Texas (USACE 1995). Relevant information on the occurrences of soils and bedrock has been incorporated to further characterize the geology of FH-027 and its surroundings.

2.2.1 Bedrock

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

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

The Walnut Formation is exposed in a gully northeast of Lake A. Lithologies include shell aggregates and a blue-gray fossiliferous limestone.

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

2.4 CHARACTERIZATION OF CLIMATE

The climate of the Fort Hood-Killeen area can be characterized as semi-arid continental. Winters (December-March) are mild, with the average daily maximum temperature in January (the coldest month) reaching 60^{o} F. Below-freezing temperatures occur on an average of 23 days per year. The normal daily winter temperature range is 42 to 62^{o} 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^{o} F. The average daily temperature in Killeen is 68.1^{o} F.

Average annual rainfall in the Killeen area is 30.4 inches, and is most concentrated from September to May (U.S. Army 1996). Snowfall is rare. The average annual humidity in the region is 55 percent. Total rainfall for 1996 at Fort Hood was 26.7 inches. Severe weather in the form of heavy rain, hail storms, and ice storms are common in the winter months.

3.0 UNIT CHARACTERIZATION

Lake A is a surface impoundment that receives wash-water from the vehicle wash rack and storm water runoff from fifteen motor pools along North Avenue. Since the late 1960s, Lake A has provided a means for the collection and retention of oils and solids that may have bypassed the oil/water separators at the motor pools. Twenty-nine ditches transport the effluent from the motor pools to Lake A. Eighteen of these ditches are lined with concrete and the remainder are unlined. Three hundred and ninety-seven acres of the main cantonment are drained by these ditches. Fifteen vehicle wash racks are contained in this watershed and drain to Lake A.

Flow into Lake A is very irregular as a consequence of periods of inactivity at some motor pools and long intervals without rainfall. Therefore it is characteristic for there to be no flow out of the motor pools for days or weeks, followed by days of significant flow. Lake A's holding capacity is calculated to be 7.2 million gallons, which, when exceeded, discharges water through an unnamed tributary to Bull Run Creek. In the driest months, Lake A may not exceed its holding capacity and no water is discharged from the lake. Flow from Lake A is recorded weekly in accordance with monitoring requirements for the main cantonment's National Pollutant Discharge Elimination System (NPDES) permit.

Lake A, as well as all other surface water SWMUs on the main cantonment, discharges ultimately to Belton Lake, which is used as a source of the region's public drinking water supply. Photographs of Lake A are shown on Figure 3.1 and photographs of the ditches are shown on Figure 3.2.

Prior to this RFI, little was known about the exact composition of the effluent from wash racks and in storm water runoff from the motor pools. However, washing of the tanks and other military vehicles clearly removes residues of fuels (such as JP-8, used as tank fuel), fuel by-products, oils and greases, metal shavings, paint, and soil particles. Wash water is then run through an oil/water separator to help remove contaminants before the wash water is released to the drainage ditches. Oils, hydraulic fluids, and other petroleum-based products are frequently spilled or dripped on motor pool pavement in small quantities; however spill prevention and cleanup programs are in place to minimize the spread of contaminants. These components are suspected to be present in surface water and sediments in both drainage ditches and Lake A. Operation and maintenance of the oil/water separators includes routine/scheduled removal of oils and/or sediments from the units. As required under the NPDES permit for the main cantonment, water from Lake A is sampled weekly and analyzed for indicator parameters such as chemical oxygen demand, biochemical oxygen demand, total suspended solids, oils and greases, and pH. No exceedances of the permit limits have been noted.

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

Thirty-seven (37) surface water and twenty-four (24) sediment samples were collected in the thirty-eight (38) locations specified in the Final RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995) during the initial sampling event at FH-027 conducted in November 1996. Site maps showing sampling locations are presented in Figure 4.1 and Figure 4.2. Twenty-one sample locations are just downstream of oil/water separator outfalls. Twelve locations are in ditches upgradient of Lake A and not co-located with oil/water separators. Three locations are in Lake A and two locations are just downstream of the lake in its outlet. A second sampling event was conducted in March 1998 to further characterize Lake A. A sample of soils beneath the bottom of the lake was collected from one of the first-round sediment sampling locations in Lake A (FH027-SB101).

All samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), and metals. All sediment samples were also tested for moisture content to ensure that all analyses were reported on a dry weight basis.

Contaminant concentrations in sediment are expected to be influenced by the sampling location due to the chemical nature of the contaminant and the method by which the contaminant is deposited in the sediment (i.e., spills, leaks, and atmospheric deposition). Concentrations in the surface water may differ greatly from sediment levels. These factors were considered in selecting sampling locations.

Surface water constituents evaluated in drainage ditches for this RFI are likely to be representative of transient conditions in any given motor pool or wash rack area for a given day. Residence time for surface water in ditches is almost zero, and the composition of the effluent water may change depending on what cleaning activities are being performed in the wash rack areas. Sediments in drainage ditches may also possess chemical constituents only from the recent past, since residence time for sediments in the ditches is likely to be short. Analyses of Lake A's water and sediment, however, may provide information on chemical constituents that have accumulated over a much longer time interval.

The underlying soil was sampled in order to provide data necessary to evaluate the potential human health risks associated with contaminants at the site and to better characterize the potential contamination present in the underlying soil.

All surface water, sediment and soil sampling, sample handling, chain-of-custody, and other field activities were conducted in accordance with the RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995), the RCRA Facility Investigation Chemical Data Acquisition Plan and Addendum (USACE 1996), and the Fort Hood RFI Additional Sampling Tasks (SAIC 1998a).

4.1.1 Sediment Sampling

Three lake sediment samples and twenty-one ditch sediment samples were collected in November and December 1996. The locations of the sampling points are shown in Figure 4.1. Sediment samples were collected after surface water samples were collected, to prevent suspension of sediment particles that could potentially be included in the water sample. In Lake A, a gravity corer was used to collect the sediment samples in the initial sampling effort. One discrete sample was collected from each location. Sediment

collected downstream of each oil/water separator came from the unlined portions of the ditches to which they discharge. All ditch sediment samples were collected using a stainless steel spoon and bowl. Sampling began at the sampling point furthest downstream, and progressed upstream. This prevented cross-contamination between upstream and downstream sediment. Sediment samples were collected from a depth interval of 0 to 12 inches below the sediment-water interface.

4.1.2 Surface Water Sampling

Surface water samples from Lake A were collected near the inlet and outlet of the lake, and from the midpoint between the inlet and outlet in the November 1996 sampling event. Lake water samples were collected at a depth of at least six inches below the water surface. Water was sampled by submerging the sample container, when possible, then removing the container cap and allowing the container to fill. All samples were collected according to procedures discussed in Section 3.1 of the Final RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995).

Surface water samples were also collected from the oil/water separator outfalls and from each of the unlined ditches where water was present. The locations of the sampling points are shown in Figure 4.1 and Figure 4.2. All water samples from the ditches were collected by submerging the sample containers a minimum of 6 inches below the water surface, when possible, and then taking off the cap and allowing the bottle to fill. When water depth was not sufficient to allow the container to be submerged, then the water was dammed to concentrate the flow to a central collection point. The sample container was then submerged or the flow of the water was directed into the bottle. The samples were analyzed for VOCs, SVOCs, and metals.

4.1.3 Soil Sampling

One soil sample was collected from beneath the sediment in Lake A at location FH027-SB101 in March 1998 and is shown on Figure 4.1. The additional sampling was performed in response to an agreement between the Texas Natural Resource Conservation Commission (TNRCC), USACE, and Fort Hood. It was agreed that representative sampling would be conducted to determine if contamination has migrated into the natural material adjacent and beneath the ponds and ditches. Results of the representative soil sampling would be used for all of the ponds included in the Fort Hood RFI study. This includes SWMUs FH-027, -028, -029, -031 and -061. In addition to soil samples collected beneath lakes FH-027 and FH-028, five soil samples were collected from the in-situ soils at a ditch in FH-028. The results of the representative soil sampling is used to determine if the ponds and ditches are functioning according to their intended purpose, which is to remove contaminants prior to discharge from the NPDES-permitted outfall. These soil samples were collected to provide data necessary to better characterize the potential contamination migration from the sediment to the underlying soils. Exposures (and therefore, risks) based on surface, or direct, contact will differ from exposure, however unlikely, associated with contaminants in soils beneath the sediment. Soil beneath the sediment was collected using a polyvinyl chloride (PVC) pipe and stainless steel hand augers. Soil samples were collected from a depth interval of 0 to 0.5 feet below the sediment-soil interface.

4.2 UNIT INVESTIGATION AND ANALYTICAL RESULTS

Analytical results (laboratory sheets and validated data) for surface water, sediments and soil at SWMU FH-027 are provided in their entirety in Appendix A. Constituents detected above practical quantitation limits (PQLs) for sediment, surface water, and soil are discussed in the following sections. These constituents were then screened against background and risk-based screening criteria as described in Section 4.3 and Section 5.0.

4.2.1 Sediment Analytical Results

Table 4.1 summarizes the constituents in sediment samples detected above the PQLs. Inorganic constituents detected in sediment at concentrations above the PQLs include arsenic, barium, cadmium, chromium, lead, mercury, selenium, and silver. Concentrations varied from 0.09 parts per million (ppm) mercury at SD143 and 0.09 ppm cadmium at SD108 to 248 ppm barium at SD129. All of these metals except silver were detected in at least one location above the background or screening criteria.

VOCs were detected at numerous locations. Only three locations (SD129, SD130, and SD139) have more than one or two compounds detected. Eleven locations had one or two detections each of acetone, 2-butanone, toluene, and/or methylene chloride: SD101, SD105, SD106, SD113, SD114, SD126, SD127, SD131, SD138, SD140, and SD143. Concentrations in these eleven samples range from 8 parts per billion (ppb) 2-butanone (SD126) to 98 ppb acetone (SD143). Other VOCs were detected at SD129, SD130, and SD139 in higher concentrations. Concentrations of VOCs in these samples ranged from 11 ppb to 41,000 ppb.

Nine SVOCs were detected among the following locations: SD113, SD127, SD128, SD129, SD130, SD131, SD132, SD137, SD138, SD139, SD140, SD141, SD142, and SD143. The most commonly detected SVOCs were phthalates and 2-methylnaphthalene. Three polynuclear aromatic hydrocarbons (PAHs) were detected in SD140. Concentrations of SVOCs in sediment ranged from 460 ppb to 6,200 ppb. PAHs present in the sediment may represent the long-term deposition of exhaust particulates for diesel-burning military vehicles traversing North Avenue.

4.2.2 Surface Water Analytical Results

Table 4.2 summarizes the constituents above PQLs in the surface water samples. Inorganic constituents detected above PQLs in surface water include arsenic, barium, cadmium, chromium, lead, selenium, and mercury. Concentrations varied from 0.12 ppb mercury to 325 ppb barium.

Seventeen VOCs were also detected above PQLs in the surface water samples. These compounds were 4-methyl-2-pentanone, 1,1,1-trichloroethane, naphthalene, acetone, ethylbenzene, m,p-xylene, o-xylene, 2-butanone, p-isopropyltoluene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropyl benzene, n-butylbenzene, n-propylbenzene, sec-butylbenzene, toluene, and benzene. Concentrations varied from 6 ppb to 480 ppb.

The SVOCs found in FH-027 surface water above PQLs are the following; benzoic acid, 4-methylphenol, bis(2-ethylhexyl)phthalate, 2-methylnaphthalene, naphthalene, di-n-octyl phthalate, and phenol. Concentrations range from 11 ppb to 96 ppb. SVOCs were detected among twelve of the surface water samples, each with three or fewer detections. Surface water from Lake A showed no organic analytes above PQLs.

4.2.3 Soil Analytical Results

Table 4.3 summarizes the constituents above PQLs in the native soil sample collected from beneath Lake A. Soil sample SB101, collected from 0.0 to 0.5 ft below the sediment in Lake A, had arsenic, barium, cadmium, chromium, and lead above PQLs. None of these metals were present above background criteria for soils. Acetone and methylene chloride were detected at 140 ppb and 19 ppb and were the only organic compounds present above PQLs in the sample. Both are unrelated to known activities at FH-027, and are likely artifacts of laboratory contamination.

4.2.4 Disposition of Investigation Derived Waste (IDW)

No IDW was generated during collection of sediment, soil, or surface water samples at FH-027. The sediment sampling equipment was rinsed in the field of any excess sediment and then thoroughly decontaminated at the field trailer. The IDW generated from the decontamination in the field trailer consisted of (1) potable wash/rinse water, (2) nitric acid/deionized water rinse, and (3) dilute methanol waste. Each waste stream is stored in containers in an accumulation area next to the field trailer. All containers are clearly identified with Department of Transportation (DOT) - approved labels containing the drums' contents and the dates they were filled. Drums are staged in the SAIC compound pending disposition. All IDW determined to be potentially hazardous is delivered to the Fort Hood Directorate of Public Works (DPW) Classification Unit with the accompanying characterization data. No solid IDW was generated in the investigation of FH-027. The potable wash/rinse water IDW was disposed of at the 1st Cavalry Tactical Vehicle Wash. The nitric acid/deionized water rinse and dilute methanol rinse waste were delivered to the Classification Unit for disposal.

4.3 BACKGROUND CHARACTERIZATION AND COMPARISONS WITH WASTE UNIT SAMPLING RESULTS

In order to characterize naturally occurring constituents in soils and sediments at Fort Hood, samples were 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 4.3. Background soils data and soil boring logs are presented in Appendices B and C, respectively. The background criteria for soils are applied to all SWMU soil samples, including dry sediments, such as those collected in drainage ditches where water flow is irregular.

Background soil 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, selenium, and silver were not detected in any of the background surface soil samples. Mercury was detected in only 1 of 43 subsurface soil samples and selenium in 2 of 40 background subsurface samples. Silver was not detected in any background subsurface 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. The flow chart from the Final RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995) used for the statistical evaluations is provided in Appendix D. Background statistical calculations were determined by combining metals results from surface soils (0-2 ft) and subsurface soils (>2 ft) into one background data set. 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 (1) a 95% upper tolerance limit (UTL) calculation and (2) an overall data set mean background concentration.

The primary statistical method for screening data is to compare SWMU data to the respective background 95% UTL values. The 95% UTL is an estimate of the 95th percentile of the population of background concentrations, such that, with a high degree of confidence, 95% of all background concentrations would be less than the UTL value. Results of the 95% UTL calculation are presented in Table 4.4. For inorganic parameters where there were fewer than 50% detects, and the distribution was neither normal nor lognormal, the maximum detected concentration was used in place of the 95% UTL. For inorganic parameters where there were no detects, the PQLs were used in place of the 95% UTLs as the background comparison value. The 95% UTL background values for surface and subsurface soils were used as the primary background screening criteria for inorganics. Appendix D contains spreadsheets of the Shapiro Wilk test on the background data for distribution, and results of the 95% UTL calculations for the background data.

No background data set is available to further evaluate concentrations of metals in pond sediments (saturated sediments), however, if a metal was detected in dry sediment at FH-027 at a concentration greater than the 95% UTL soil background value, a second statistical method was performed to compare the data set to the background value. The second statistical method to be used is either a mean comparison using the t-test, or the Wilcoxon (Mann-Whitney) Test. The use of these tests is dependent on the distribution of the data set. The t-test is to be used on data sets that have a normal distribution or that can be transformed to a normal distribution. According to the RFI Work Plan (USACE 1995), if the data set is not normally distributed and the t-test is not appropriate, a nonparametric method, the Wilcoxon Test, is to be used to test the difference in the background versus the data set. The flow chart from the RFI Work Plan (USACE 1995) used for the statistical evaluations is provided in Appendix D. Results of calculations for the 95% UTLs, means, standard deviations, and the Wilcoxon Test for FH-027 data are also presented in Appendix D.

Barium, cadmium, chromium, lead, mercury and selenium were detected in dry sediment at FH-027 at concentrations greater than the 95% UTL soil background concentration. Further statistical analysis was performed for barium, cadmium, chromium and lead; however, due to a lack of detected values in the background data set for mercury and selenium, no further analysis was performed for these two metals. The Wilcoxon Test for barium, cadmium, chromium and lead detected in dry sediment at FH-027 resulted in absolute Z values of 4.04, 5.71, 4.22 and 5.63, respectively, versus the critical Z value of 1.645 for a one-tailed test. This indicates there is a significant difference between the background soil barium, cadmium, chromium and lead data and FH-027 dry sediment barium, cadmium, chromium and lead data. Further discussion of statistical results is included in Section 6.2 (Investigation Results) of this report.

5.0 SCREENING ANALYSIS

The TNRCC has promulgated risk reduction standards (30 TAC 335, Subchapter S) for soils, sediment and groundwater for residential and industrial land uses. The TNRCC risk reduction standards (RRSs) have been used to screen the sediment, soil, and surface water data generated at FH-027 to determine whether or not constituents are present at the site at concentrations which may warrant further investigation. The comparisons to TNRCC criteria are discussed in this section.

RRSs Number 1 are defined as UTL background concentrations or analytical PQL values, whichever are greater. The TNRCC RRSs Number 1 were used to determine if there has been a release of hazardous constituents from the site. The RRS Number 1 criteria are the facility-wide 95% UTL soil background values for metals (except for mercury, selenium, and silver, which were not detected in background soils), or the PQLs, for organic constituents or metals not detected in background samples. In order to determine whether there has been a release at FH-027, dry ditch sediment and soil sample results were compared to the background concentration levels for combined surface and subsurface soils (as presented in Section 4.3). Metals detected above soil background levels are considered a potential release from the unit. Detection of an organic constituent above the PQL for the analytical method is also considered a potential release. In surface water, all detections above PQLs are considered a potential release. Organic and inorganic constituents detected above PQLs in sediment, surface water and soil samples at FH-027 have been presented in Tables 4.1, 4.2 and 4.3 and discussed in Sections 4.2.1 and 4.2.2 and 4.2.3, respectively. Comparisons to the 95% UTL background concentration levels (TNRCC RRS Number 1 criteria) for metals in dry sediment (ditch sediment) are shown in Table 5.1.

To determine whether the potential releases of metals and organic compounds detected at FH-027 warrant further action, sample results that exceeded the TNRCC RRS Number 1 criteria were screened against the RRS Number 2 criteria (Tables 5.1 and 5.2). RRSs Number 2 are health-based standards and criteria that are deemed protective of human health or the environment. They are based on the ingestion of soil and inhalation of particulates and volatiles pathway and the soil-to-groundwater cross-media protection pathway. No additional risk criteria are available to further evaluate metals detected in dry sediment above the 95% UTL soil background concentration levels (TNRCC RRSs Number 1), however if the concentration of a metal in dry sediment exceeds the 95% UTL soil background concentration, further statistical analyses are performed to determine if the metal is present at concentrations which are significantly different from the background concentration. If statistical analysis shows that metal concentrations are not significantly different from background concentrations then a release is not considered to have occurred. Statistical analyses performed may include the T-Test or the Wilcoxon Test.

Saturated sediments (pond sediments from Lake A) were compared to sediment benchmark values. All other sediments and the soil sample from beneath Lake A were compared to the 30 TAC 335 industrial soil criteria (except for metals) because these materials are generally dry. For surface water, the TNRCC RRS Number 2 criteria are the 30 TAC 335 groundwater criteria. Comparisons to TNRCC RRS Number 1 criteria (metals in dry sediment) and TNRCC RRS Number 2 criteria (organics in dry sediment, and organics and inorganics in saturated sediment and surface water) are shown in Tables 5.1 and 5.2, respectively. The complete screening results for FH-027 are compiled in Appendix E. **In Tables 5.1 and 5.2, as well as in Appendix E, no TNRCC RRS Number 2 screening values are available for parameters whose screening concentrations are signified by a value of zero.**

In dry ditch sediment, barium, cadmium, chromium, lead, selenium, and/or mercury exceed the soil RRS

Number 2 criteria in sixteen samples. Eleven organic compounds exceed the screening criteria in five of these sixteen sediment samples. These organic compounds include 1,2,4 - and 1,3,5- trimethylbenzene, dibenzofuran, n-butylbenzene, n-propylbenzene, isopropylbenzene, phenanthrene, 4-methyl-2-pentanone, 4-methylphenol, bis(2-ethylhexyl)phthalate, and 2-methylnaphthalene. Eight of these organic compounds exceeded the RRS Number 2 criteria in sediment at either SD129 or SD130, which are two samples with some of the highest concentrations of VOCs and SVOCs in sediment. Figure 4.1 and Table 5.1 display the analytical results that exceed RRS Number 2 criteria in sediment.

Further evaluation of four of the six metals detected above soil background concentrations in dry sediments was performed using the Wilcoxon Test. Results of this evaluation indicate that concentrations of barium, cadmium, chromium and lead at FH-027 are significantly different than background concentrations for these metals. Barium was detected above the 95% UTL (157.3 ppm) in only one ditch sediment sample (SD129) at a concentration of 248 ppm. Cadmium was detected above the 95% UTL (0.67 ppm) in eight ditch sediment samples at concentrations ranging from 0.73 ppm to 7.0 ppm. Chromium was detected above the 95% UTL (24.88 ppm) in only one ditch sediment sample (SD141) at a concentration of 32.9 ppm. Lead was detected above the 95% UTL (19.0 ppm) in three ditch sediment samples at concentrations of 20 ppm, 37.8 ppm and 169 ppm. Further analysis was not performed for mercury and selenium due to a lack of detected background values for these metals. The maximum detected background value was used as the 95% UTL for each of these metals. Mercury was detected above the 95% UTL (0.04 ppm) in only one ditch sediment sample (SD143) at a concentration of 0.09 ppm. Selenium was detected above the 95% UTL (0.44 ppm) in two ditch sediment samples at concentrations of 1.8 ppm (SD114) and 0.48 B ppm (SD139).

In saturated pond sediment (SD104, SD105 and SD106), arsenic, barium, cadmium, and/or lead exceed the RRS Number 2 criteria (sediment benchmark). Barium was detected above the RRS Number 2 criterion in all three of the pond sediment samples. Cadmium and lead were detected above the RRS Number 2 criteria in two of the pond sediment samples (SD104 and SD105). Arsenic was detected above the RRS Number 2 criterion in only one of the pond sediment samples (SD104). 2-Butanone was detected above the RRS Number 2 criterion in two of the pond sediment samples (SD105 and SD106), and acetone was detected above the RRS Number 2 criterion in SD106 only. These two VOCs are not known to be associated with any waste disposal practice at FH-027, and are common artifacts of laboratory analyses There were no other exceedances of regulatory criteria for saturated pond sediment. Figure 4.1 and Table 5.1 display the analytical results that exceed RRS Number 2 criteria for pond sediments.

In surface water, cadmium and/or lead exceed the RRS Number 2 criteria for groundwater in eleven samples. 4-Methyl-2-pentanone, bis(2-ethylhexyl)phthalate, 2-methylnaphthalene, benzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropyl benzene, n-butylbenzene, n-propylbenzene, p-isopropyltoluene, and/or sec-butylbenzene were present above the criteria in fourteen samples (Table 5.2). It should be noted that most of these organics (4-methyl-2-pentanone, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, 2-methylnaphthalene, n-butylbenzene, n-propylbenzene, p-isopropyltoluene, sec-butylbenzene and isopropyl benzene) are considered to be present above screening criteria because no TNRCC RRS Number 2 screening values exist for these constituents. Screening values cannot be calculated for these constituents because no toxicity criteria exists that are necessary to calculate the RRS 2 values. The surface water samples collected from Lake A and its outlet exhibited no constituents above PQLs that exceed the RRS Number 2 criteria.

The sample of soil from beneath Lake A had no organic or inorganic constituents in concentrations that exceed the 95% UTL background values or the RRS Number 2 criteria.

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-027 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 QA/QC samples collected for FH-027 included trip blanks, equipment rinsate blanks, QC duplicate samples, and QA split samples. 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 the following, 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-027 data. One issue was a potential for low bias in the results for barium, chromium, and lead in sediments. The other concern was the potential for false negatives in several VOCs in surface water. The deviations did not lead to the rejection or requalification of the data. Based on the CQAR findings, data are usable and have met the project 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-027 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-027 results.

6.2 INVESTIGATION RESULTS

The data set for surface water, sediment, and soil at FH-027 and the quality of the data are useable to meet the objectives of the RFI as described in Section 4.0 of this report. A total of 25 solid and 37 liquid samples were collected in the ditches and at Lake A, and analyzed according to the Final RCRA Facility Investigation Work Plan for 35 SWMUs (USACE 1995). The number and location of the samples were adequate to provide information regarding the presence/absence of contamination, and the characterization of the vertical and lateral extent of potential contamination.

Results of sediment analysis indicate that metals and organic compounds exceed background criteria and risk criteria in several locations. These exceedances come from either the pond sediment samples or several ditch samples from mainly the eastern half of the SWMU. Cadmium and lead are the metals most frequently detected above background criteria in dry sediments. Statistical results have shown that concentrations of both

of these metals in dry sediment are significantly different than soil background concentrations. Cadmium and lead, as well as barium and arsenic, are also present above the risk criteria in pond sediment samples. These metals and other organic constituents were not detected in sediment samples collected from the outlet drainage of Lake A.

Surface water analyses indicate that most of the occurrences of organic compounds above RRS Number 2 criteria occur in the samples closest to the oil/water separator sources, i.e., in the ditches lining the south side of North Avenue. Cadmium was found in eleven surface water sampling locations above RRS Number 2 criterion. In three of these locations, lead was also present in surface water at concentrations above the risk criterion. The surface water samples collected from Lake A exhibit no constituents at concentrations above the RRS Number 2 criteria. Concentrations of VOCs, SVOCs and metals in surface water diminish to undetectable quantities by the time they reach Lake A (see Figure 4.1), and are not present in surface water exiting the pond. The analytical screening results indicate that the local drainage ditches and Lake A are operating as intended and are removing contaminants from surface water prior to discharge to the NPDES outfall. As such, surface water exiting Lake A to is not causing a release to the environment via the surface water pathway.

Several VOCs and SVOCs were detected in both surface water and sediment in FH-027. Several of these compounds are not known to be associated with activities at FH-027. Among the VOCs, acetone, toluene, and methylene chloride were commonly detected. Bis (2-ethylhexyl)phthalate and di-n-octyl phthalate were commonly detected SVOCs in surface water and sediments. These compounds are found in low concentrations and are known to be common laboratory contaminants.

In addition, there were no exceedances of RRS Number 2 criteria in the native soil sample collected from beneath Lake A, and the exceedances of RRS Number 1 criteria (PQLs and background concentrations) in this sample can be explained. This soil sample had arsenic, barium, cadmium, chromium, and lead above PQLs. These metals could be natural occurrences since none of these metals were present above background criteria for soils. Acetone and methylene chloride were detected above PQLs but both are unrelated to known activities at FH-027, and are likely artifacts of laboratory contamination. This information indicates that there has not been a release of sediment contamination from Lake A to underlying soils. In addition, results from the sampling of native soil beneath the pond at FH-028 showed no exceedances of RRS Number 2 criteria and thus, supports this conclusion (SAIC 1999).

7.0 CONCLUSIONS AND RECOMMENDATIONS

The analytical results indicate that trace metals and organic compounds have been found in unit FH-027 as a result of activities at the vehicle wash racks, and from storm water runoff from 15 motor pools along North Avenue.

Surface water analyses indicate that most of the occurrences of organic compounds, cadmium, and lead above RRS Number 2 criteria occur in the samples from the ditches lining the south side of North Avenue. Since activities at the motor pools and vehicle wash racks are ongoing, these will continue to be sources for these constituents until Fort Hood is closed. Organics observed above risk criteria in the surface water are transient, and are detected at low concentrations which do not greatly exceed risk criteria. Surface water constituents evaluated in drainage ditches for this RFI are likely to be representative of transient conditions in any given motor pool or wash rack area for a given day. Residence time for surface water in ditches is almost zero, and the composition of the effluent water may change depending on what cleaning activities are being performed in the wash rack areas. Sediments in drainage ditches may possess chemical constituents only from the recent past, since residence time for sediments in the ditches is likely to be short.

Flow from Lake A is also transient because during the driest months Lake A's holding capacity may not be exceeded and no water is discharged from the lake. Surface water samples collected from Lake A and its outlet drainage exhibit no organic or inorganic constituents at concentrations which exceed risk criteria. These results indicate that water collected from the ditches and exiting the pond is not causing a release to the environment via the surface water pathway.

Operation and maintenance of the oil/water separators includes routine/scheduled removal of oils and/or sediments from the units. However, organic solvents and inorganics found in the sediment in the ditches in FH-027 are evidently caused by activities in the motor pools and vehicle wash racks that line North Avenue. Several of the organic contaminants identified as exceeding the risk criteria are known laboratory artifacts that are unrelated to processes at the SWMU. The releases of cadmium and lead from the motor pools are clearly causing contaminant loading to Lake A sediments. The source of heavy metals may be the motor pools and vehicle wash racks, or atmospheric deposition of vehicle exhaust along the heavily traveled North Avenue. Concentrations of organics above risk criteria in Lake A sediment are less than 0.1 ppm which indicates that the concentrations of organics do not greatly exceed risk criteria.

The presence of PAHs in ditch sediment may represent the long-term deposition of exhaust particulates for diesel-burning military vehicles traversing North Avenue. As stated in the position paper (SAIC 1998b) attached to this document as Appendix F, PAHs are ubiquitous in surface soils as they are common products of the combustion of fossil fuels and other organic matter. Remediation of PAHs would be futile because of the ongoing deposition of these materials in sediment by military activities.

In addition, the native soil sample beneath Lake A exhibited no constituents in sufficient concentrations to cause risk. Contaminated sediments in Lake A have not caused a release to the underlying soils through leaching or diffusion.

In summary, the ditches and the pond constitute a properly functioning treatment unit used to remove contaminants prior to discharge to the receiving stream. There being no release of contaminants from Lake A via the surface water pathway or through leaching to in-situ soils, and no current exposure to Lake A sediments, no further action is recommended for FH-027 at this time. However, if this unit undergoes closure

activities in the future, dredging of the pond and removal of the sediment would be the most likely remedial action. This would promote exposure to constituents in pond sediment and raise concern about releasing these constituents to the outlet drainage of the pond. The current operation of the pond does not pose a risk to human health and the environment, however, risks associated with any future closure of the unit will need to be identified prior to implementation of closure activities.

8.0 REFERENCES

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Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW101	27SD101	--	Metals	Arsenic	5	0.54	mg/kg
				Barium	56.9	0.13	mg/kg
				Cadmium	4.1	0.06	mg/kg
				Chromium	12.5	0.13	mg/kg
				Lead	20	0.23	mg/kg
SW102	27SD102	--	Metals	Arsenic	6.2	0.43	mg/kg
				Barium	18.5	0.10	mg/kg
				Cadmium	0.16	0.05	mg/kg
				Chromium	9.8	0.10	mg/kg
				Lead	6.6	0.18	mg/kg
SW103	27SD103	--	Metals	Arsenic	4.3	0.44	mg/kg
				Barium	24.7	0.11	mg/kg
				Cadmium	0.19	0.05	mg/kg
				Chromium	7.3	0.11	mg/kg
				Lead	7.4	0.19	mg/kg
SW104	27SD104	--	Metals	Arsenic	6.5 *	0.43	mg/kg
				Barium	64.8	0.05	mg/kg
				Cadmium	3.2	0.09	mg/kg
				Chromium	19.2	0.14	mg/kg
				Lead	63.8	0.29	mg/kg

Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result		PQL	Units
SW105	27SD105	--	Metals	Arsenic	4.7	*	0.41	mg/kg
				Barium	71.6		0.05	mg/kg
				Cadmium	1.2		0.08	mg/kg
				Chromium	14.2		0.13	mg/kg
				Lead	36.2		0.28	mg/kg
			Volatile Organics	2-Butanone	14		8	ug/kg
SW106	27SD106	--	Metals	Arsenic	5.4		0.49	mg/kg
				Barium	81.8		0.12	mg/kg
				Cadmium	0.33	B	0.06	mg/kg
				Chromium	12.8		0.12	mg/kg
				Lead	12.1		0.21	mg/kg
			Volatile Organics	2-Butanone	9		7	ug/kg
				Acetone	42		7	ug/kg
SW107	27SD107	--	Metals	Arsenic	5.3		0.46	mg/kg
				Barium	57.8		0.11	mg/kg
				Cadmium	0.73		0.06	mg/kg
				Chromium	11.7		0.11	mg/kg
				Lead	11.1		0.20	mg/kg
SW108	27SD108	--	Metals	Arsenic	4		0.42	mg/kg
				Barium	54.8		0.10	mg/kg

Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW108	27SD108	--	Metals	Cadmium	0.09 B	0.05	mg/kg
				Chromium	10.1	0.10	mg/kg
				Lead	6.8	0.18	mg/kg
SW113	27SD113	--	Metals	Arsenic	3.9	0.39	mg/kg
				Barium	51.7	0.10	mg/kg
				Cadmium	0.55 J	0.05	mg/kg
				Chromium	8.5 J	0.10	mg/kg
				Lead	10 J	0.17	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	660	390	ug/kg
			Volatile Organics	Acetone	61	6	ug/kg
SW114	27SD114	--	Metals	Arsenic	6.2	0.46	mg/kg
				Barium	118	0.11	mg/kg
				Cadmium	0.23 J	0.06	mg/kg
				Chromium	10.4 J	0.11	mg/kg
				Lead	6.3 J	0.19	mg/kg
				Selenium	1.8	0.41	mg/kg
			Volatile Organics	Acetone	73	7	ug/kg
SW126	27SD126	--	Metals	Arsenic	2.9	0.42	mg/kg
				Barium	33.1	0.10	mg/kg
				Cadmium	0.55 J	0.05	mg/kg
				Chromium	5.6 J	0.10	mg/kg

Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW126	27SD126	--	Metals	Lead	13.5 J	0.18	mg/kg
			Volatile Organics	2-Butanone	8	6	ug/kg
				Acetone	86	6	ug/kg
SW127	27SD127	--	Metals	Arsenic	3.9	0.44	mg/kg
				Barium	45.3	0.11	mg/kg
				Cadmium	1.7 J	0.05	mg/kg
				Chromium	9.4 J	0.11	mg/kg
				Lead	33.5 J	0.19	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	720	440	ug/kg
			Volatile Organics	Acetone	74	7	ug/kg
				Toluene	77	7	ug/kg
SW128	27SD128	--	Metals	Arsenic	3.2	0.44	mg/kg
				Barium	28.4	0.11	mg/kg
				Cadmium	0.7 J	0.05	mg/kg
				Chromium	6.7 J	0.11	mg/kg
				Lead	8.5 J	0.19	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	660	440	ug/kg
SW129	27SD129	--	Metals	Arsenic	4	0.40	mg/kg
				Barium	248	0.05	mg/kg
				Cadmium	17.6	0.08	mg/kg

Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result		PQL	Units
SW129	27SD129	--	Metals	Chromium	13.3		0.13	mg/kg
				Lead	33.9		0.27	mg/kg
				Selenium	0.52	B	0.45	mg/kg
			Semi-Volatile Organics	2-Methylnaphthalene	6200		530	ug/kg
				Bis(2-ethylhexyl)phthalate	2000		530	ug/kg
				Dibenzofuran	540		530	ug/kg
				Naphthalene	3100		530	ug/kg
			Volatile Organics	1,2,4-trimethylbenzene	41000	J	1000	ug/kg
				Acetone	1700		1000	ug/kg
				Ethylbenzene	1700		1000	ug/kg
				m,p-Xylene	9600		1000	ug/kg
				n-Butylbenzene	10000		1000	ug/kg
				n-propylbenzene	4700		1000	ug/kg
				o-Xylene	8500		1000	ug/kg
SW130	27SD130	--	Metals	Arsenic	3.3		0.39	mg/kg
				Barium	119		0.05	mg/kg
				Cadmium	5.9		0.08	mg/kg
				Chromium	16.8		0.13	mg/kg
				Lead	24.7		0.27	mg/kg
				Silver	0.22	B	0.19	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	3900		520	ug/kg
				Di-n-octyl Phthalate	970		520	ug/kg
			Volatile Organics	1,2,4-trimethylbenzene	88		8	ug/kg
				1,3,5-trimethylbenzene	78		8	ug/kg
				2-Butanone	91		8	ug/kg
				Acetone	390	J	8	ug/kg
				Ethylbenzene	13		8	ug/kg

Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW130	27SD130	--	Volatile Organics	Isopropyl Benzene	11	8	ug/kg
				m,p-Xylene	33	8	ug/kg
				n-propylbenzene	19	8	ug/kg
				Naphthalene	60	8	ug/kg
				o-Xylene	39	8	ug/kg
SW131	27SD131	--	Metals	Arsenic	4.7	0.48	mg/kg
				Barium	59.3	0.12	mg/kg
				Cadmium	1.7 J	0.06	mg/kg
				Chromium	9.8 J	0.12	mg/kg
				Lead	13.2 J	0.20	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	700	480	ug/kg
			Volatile Organics	Acetone	97	7	ug/kg
SW132	27SD132	--	Metals	Arsenic	4.2	0.50	mg/kg
				Barium	54.6	0.12	mg/kg
				Cadmium	7.5 J	0.06	mg/kg
				Chromium	25.4 J	0.12	mg/kg
				Lead	31.2 J	0.21	mg/kg
				Selenium	0.5	0.46	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	950	500	ug/kg
SW137	27SD137	--	Metals	Arsenic	3.7	0.53	mg/kg
				Barium	49.6	0.13	mg/kg

Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW137	27SD137	--	Metals	Cadmium	14.8	0.06	mg/kg
				Chromium	16.2	0.13	mg/kg
				Lead	76.3	0.22	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	1200	530	ug/kg
SW138	27SD138	--	Metals	Arsenic	4	0.34	mg/kg
				Barium	50.3	0.04	mg/kg
				Cadmium	1.3	0.07	mg/kg
				Chromium	9.1	0.11	mg/kg
				Lead	18.3	0.23	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	890	440	ug/kg
				Di-n-octyl Phthalate	1000	440	ug/kg
			Volatile Organics	2-Butanone	12	7	ug/kg
				Acetone	55	7	ug/kg
SW139	27SD139	--	Metals	Arsenic	4.5	0.36	mg/kg
				Barium	56.6	0.04	mg/kg
				Cadmium	7.9	0.07	mg/kg
				Chromium	12.2	0.11	mg/kg
				Lead	37.8	0.24	mg/kg
				Selenium	0.48 B	0.40	mg/kg
			Semi-Volatile Organics	4-Methylphenol	2400	470	ug/kg
				Bis(2-ethylhexyl)phthalate	4100	470	ug/kg
				Di-n-octyl Phthalate	5100	470	ug/kg

Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW139	27SD139	--	Volatile Organics	2-Butanone	86	7	ug/kg
				4-Methyl-2-pentanone	11	7	ug/kg
				Acetone	110	7	ug/kg
				Toluene	14	7	ug/kg
SW140	27SD140	--	Metals	Arsenic	5.1	0.36	mg/kg
				Barium	57.5	0.04	mg/kg
				Cadmium	0.78	0.07	mg/kg
				Chromium	12.7	0.12	mg/kg
				Lead	13.3	0.24	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	700	470	ug/kg
				Fluoranthene	810	470	ug/kg
				Phenanthrene	540	470	ug/kg
				Pyrene	730	470	ug/kg
			Volatile Organics	2-Butanone	17	7	ug/kg
				Acetone	43	7	ug/kg
SW141	27SD141	--	Metals	Arsenic	4.5	0.34	mg/kg
				Barium	64.4	0.04	mg/kg
				Cadmium	1.6	0.07	mg/kg
				Chromium	32.9	0.11	mg/kg
				Lead	169	0.23	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	580	450	ug/kg

Table 4.1 FH-027 Analytes Detected in Sediment Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW142	27SD142	--	Metals	Arsenic	3.6	0.32	mg/kg
				Barium	41.7	0.04	mg/kg
				Cadmium	1.4	0.06	mg/kg
				Chromium	10.5	0.10	mg/kg
				Lead	14.4	0.22	mg/kg
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	1400 B	430	ug/kg
				Di-n-octyl Phthalate	460	430	ug/kg
SW143	27SD143	--	Metals	Arsenic	4.1	0.32	mg/kg
				Barium	53.7	0.04	mg/kg
				Cadmium	0.84	0.06	mg/kg
				Chromium	8.5	0.10	mg/kg
				Lead	11.8	0.22	mg/kg
				Mercury	0.09	0.02	mg/kg
			Semi-Volatile Organics	2-Methylnaphthalene	1300	420	ug/kg
				Bis(2-ethylhexyl)phthalate	940	420	ug/kg
			Volatile Organics	Acetone	98	32	ug/kg

J - Indicates estimated value
B (Inorganics) - Value was less then the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
B (Organics) - Constituent dtected in associated blank sample
* - Duplicate analysis not within control limits.

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW101	27SW101	--	Metals	Barium	52.6	0.30	ug/l
				Cadmium	1.7 B	0.50	ug/l
				Chromium	1.4 B	0.80	ug/l
				Lead	3.6	1.7	ug/l
				Mercury	0.15 B	0.10	ug/l
SW102	27SW102	--	Metals	Barium	43.8	0.30	ug/l
				Chromium	3.7 B	0.80	ug/l
				Mercury	0.12 B	0.10	ug/l
SW103	27SW103	--	Metals	Barium	32.5	0.30	ug/l
				Chromium	3.7 B	0.80	ug/l
SW104	27SW104	--	Metals	Barium	38.8	0.30	ug/l
SW105	27SW105	--	Metals	Barium	34.2	0.30	ug/l
				Chromium	0.81 B	0.80	ug/l
SW106	27SW106	--	Metals	Barium	39.9	0.30	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW107	27SW107	--	Metals	Barium	38.2	0.30	ug/l
				Chromium	60.2	0.80	ug/l
			Semi-Volatile Organics	Benzoic Acid	96	50	ug/l
SW108	27SW108	--	Metals	Barium	30.3	0.30	ug/l
				Chromium	5.5 B	0.80	ug/l
				Lead	2.4 B	1.7	ug/l
SW109	27SW109	--	Semi-Volatile Organics	4-Methylphenol	34	10	ug/l
SW110	27SW110	--	Metals	Barium	131	0.30	ug/l
				Cadmium	34.8	0.50	ug/l
				Lead	4.2	1.7	ug/l
			Semi-Volatile Organics	4-Methylphenol	11	10	ug/l
			Volatile Organics	1,1,1-Trichloroethane	34	5	ug/l
				Naphthalene	7	5	ug/l
SW111	27SW111	--	Metals	Arsenic	4 B	2.5	ug/l
				Barium	325	0.30	ug/l
				Cadmium	13.8	0.50	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW111	27SW111	--	Metals	Chromium	6.8 B	0.80	ug/l
				Lead	9.6	1.7	ug/l
SW112	27SW112	--	Metals	Barium	69.9	0.30	ug/l
				Cadmium	4.5	0.50	ug/l
				Chromium	3.8	0.80	ug/l
				Lead	4.2 J	1.7	ug/l
			Volatile Organics	4-Methyl-2-pentanone	6	5	ug/l
SW113	27SW113	--	Metals	Barium	72.8	0.30	ug/l
				Cadmium	0.73 B	0.50	ug/l
				Chromium	32.9	0.80	ug/l
				Mercury	0.43	0.10	ug/l
SW114	27SW114	--	Metals	Barium	86.4	0.30	ug/l
				Cadmium	1.1 B	0.50	ug/l
				Chromium	30.7	0.80	ug/l
SW115	27SW115	--	Metals	Barium	173	0.30	ug/l
				Cadmium	18.2	0.50	ug/l
				Lead	5.2	1.7	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW116	27SW116	--	Metals	Barium	78.6	0.30	ug/l
				Cadmium	5	0.50	ug/l
				Lead	3.6	1.7	ug/l
			Volatile Organics	Acetone	15	5	ug/l
SW117	27SW117	--	Metals	Arsenic	2.9 B	2.5	ug/l
				Barium	26.1	0.30	ug/l
				Chromium	9.1 B	0.80	ug/l
				Mercury	0.29	0.10	ug/l
SW118	27SW118	--	Metals	Barium	101	0.30	ug/l
				Cadmium	30.1	0.50	ug/l
				Lead	12.8	1.7	ug/l
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	12	10	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	7	5	ug/l
SW119	27SW119	--	Metals	Barium	124	0.30	ug/l
				Cadmium	6.9	0.50	ug/l
				Lead	12.1	1.7	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	16	5	ug/l
				Acetone	160	5	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW119	27SW119	--	Volatile Organics	Ethylbenzene	6	5	ug/l
				m,p-Xylene	29	5	ug/l
				o-Xylene	10	5	ug/l
SW123	27SW123	--	Metals	Barium	18.7	0.30	ug/l
				Cadmium	1.6 B	0.50	ug/l
				Chromium	1.5 B	0.80	ug/l
			Semi-Volatile Organics	2-Methylnaphthalene	18	10	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	22	5	ug/l
				Naphthalene	27	5	ug/l
SW124	27SW124	--	Metals	Barium	28.1	0.30	ug/l
SW126	27SW126	--	Metals	Barium	94.8	0.30	ug/l
				Chromium	14.9	0.80	ug/l
				Mercury	0.63	0.10	ug/l
SW127	27SW127	--	Metals	Barium	45.3	0.30	ug/l
				Cadmium	0.96 B	0.50	ug/l
				Mercury	0.57	0.10	ug/l
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	42	10	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW128	27SW128	--	Metals	Barium	52.8	0.30	ug/l
				Cadmium	2.1 B	0.50	ug/l
				Mercury	1.5	0.10	ug/l
SW129	27SW129	--	Metals	Barium	68.6	0.80	ug/l
				Cadmium	11.9	0.40	ug/l
				Chromium	2.7 B	0.80	ug/l
				Lead	2.3 B	1.4	ug/l
				Selenium	4.1 B	2.8	ug/l
			Semi-Volatile Organics	Bis(2-ethylhexyl)phthalate	18	10	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	13	5	ug/l
				m,p-Xylene	8	5	ug/l
				Naphthalene	9	5	ug/l
SW131	27SW131	--	Metals	Barium	52.9	0.30	ug/l
				Cadmium	1.6 B	0.50	ug/l
				Mercury	0.16 B	0.10	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	44	5	ug/l
				Ethylbenzene	10	5	ug/l
				m,p-Xylene	16	5	ug/l
				Naphthalene	21	5	ug/l
				o-Xylene	8	5	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW132	27SW132	--	Metals	Barium	45.8	0.30	ug/l
				Cadmium	0.64 B	0.50	ug/l
				Chromium	0.88 B	0.80	ug/l
				Lead	2.8 B	1.7	ug/l
				Mercury	0.34	0.10	ug/l
			Volatile Organics	p-Isopropyltoluene	36	5	ug/l
SW134	27SW134	--	Metals	Barium	122	0.30	ug/l
				Cadmium	6.7	0.50	ug/l
				Chromium	37.4	0.80	ug/l
				Lead	8.6	1.7	ug/l
			Semi-Volatile Organics	Di-n-octyl Phthalate	18	10	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	14	5	ug/l
SW135	27SW135	--	Metals	Arsenic	11.2	2.5	ug/l
				Barium	187	0.30	ug/l
				Cadmium	12.9	0.50	ug/l
				Chromium	29.6	0.80	ug/l
				Lead	22.5 J	1.7	ug/l
			Semi-Volatile Organics	2-Methylnaphthalene	46	10	ug/l
				Naphthalene	37	10	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	200	5	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW135	27SW135	--	Volatile Organics	1,3,5-trimethylbenzene	100	5	ug/l
				Ethylbenzene	12	5	ug/l
				Isopropyl Benzene	8	5	ug/l
				m,p-Xylene	65	5	ug/l
				n-Butylbenzene	6	5	ug/l
				n-propylbenzene	18	5	ug/l
				Naphthalene	52	5	ug/l
				o-Xylene	32	5	ug/l
				p-Isopropyltoluene	19	5	ug/l
				sec-Butylbenzene	6	5	ug/l
				Toluene	8	5	ug/l
SW136	27SW136	--	Metals	Arsenic	5.5 B	2.5	ug/l
				Barium	104	0.30	ug/l
				Cadmium	11.9	0.50	ug/l
				Chromium	12.8	0.80	ug/l
				Lead	20.1	1.7	ug/l
			Volatile Organics	4-Methyl-2-pentanone	6	5	ug/l
SW137	27SW137	--	Metals	Barium	47	0.30	ug/l
				Cadmium	1.8 B	0.50	ug/l
				Chromium	2.8 B	0.80	ug/l
				Lead	3.6	1.7	ug/l
				Mercury	0.15 B	0.10	ug/l
			Volatile Organics	Acetone	16	5	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW138	27SW138	--	Metals	Barium	116	0.80	ug/l
				Cadmium	6.8	0.40	ug/l
				Chromium	1.6 B	0.80	ug/l
				Lead	2.7 B	1.4	ug/l
				Selenium	3.2 B	2.8	ug/l
			Volatile Organics	2-Butanone	15	5	ug/l
				4-Methyl-2-pentanone	9	5	ug/l
SW139	27SW139	--	Metals	Arsenic	5.9 B	3.3	ug/l
				Barium	176	0.80	ug/l
				Cadmium	5.7	0.40	ug/l
				Chromium	21.4	0.80	ug/l
				Lead	16.2	1.4	ug/l
				Selenium	3.8 B	2.8	ug/l
SW140	27SW140	--	Metals	Barium	110	0.80	ug/l
				Cadmium	1.3 B	0.40	ug/l
				Chromium	0.81 B	0.80	ug/l
				Selenium	3.4 B	2.8	ug/l
SW141	27SW141	--	Metals	Arsenic	21.3	3.3	ug/l
				Barium	134	0.80	ug/l
				Lead	3.4	1.4	ug/l

Table 4.2 FH-027 Analytes Detected in Surface Water Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SW141	27SW141	--	Semi-Volatile Organics	Naphthalene	36	10	ug/l
				Phenol	43	10	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	110	25	ug/l
				1,3,5-trimethylbenzene	48	25	ug/l
				Acetone	96	25	ug/l
				Benzene	480	25	ug/l
				Ethylbenzene	120	25	ug/l
				m,p-Xylene	310	25	ug/l
				Naphthalene	60	25	ug/l
SW142	27SW142	--	Metals	Barium	56.5	0.80	ug/l
				Cadmium	4.9 B	0.40	ug/l
				Chromium	4.8 B	0.80	ug/l
				Lead	5.5	1.4	ug/l
				Selenium	2.9 B	2.8	ug/l
			Volatile Organics	2-Butanone	7	5	ug/l
				Acetone	14	5	ug/l
SW143	27SW143	--	Metals	Barium	74.7	0.80	ug/l
				Cadmium	1 B	0.40	ug/l
				Chromium	0.86 B	0.80	ug/l
			Volatile Organics	1,2,4-trimethylbenzene	10	5	ug/l

J - Indicates estimated value
B (Inorganics) - Value was less then the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).

Table 4.3 FH-027 Analytes Detected in Soil Above Practical Quantitation Limits (PQLs)

Location	Sample ID	Depth	Analysis Type	Parameter	Result	PQL	Units
SB101	27SB101	0.0-0.5	Metals	Arsenic	5.2	0.36	mg/kg
				Barium	24.4	0.07	mg/kg
				Cadmium	0.16	0.058	mg/kg
				Chromium	5	0.081	mg/kg
				Lead	3.8	0.21	mg/kg
			Volatile Organics	Acetone	140	6	ug/kg
				Methylene Chloride	19	6	ug/kg

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 ½ 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-027 Sediment Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result		Units	Screening Criteria	Screening Concentration	Units
SW101	27SD101	--	Cadmium	4.1		mg/kg	Soil Background	0.67	mg/kg
			Lead	20		mg/kg	Soil Background	19	mg/kg
SW104	27SD104	--	Arsenic	6.5	*	mg/kg	Sediment Benchmarks	6	mg/kg
			Barium	64.8		mg/kg	Sediment Benchmarks	0.0	mg/kg
			Cadmium	3.2		mg/kg	Sediment Benchmarks	0.6	mg/kg
			Lead	63.8		mg/kg	Sediment Benchmarks	30.2	mg/kg
SW105	27SD105	--	2-Butanone	0.014		mg/kg	Sediment Benchmarks	0.0	mg/kg
			Barium	71.6		mg/kg	Sediment Benchmarks	0.0	mg/kg
			Cadmium	1.2		mg/kg	Sediment Benchmarks	0.6	mg/kg
			Lead	36.2		mg/kg	Sediment Benchmarks	30.2	mg/kg
SW106	27SD106	--	2-Butanone	0.009		mg/kg	Sediment Benchmarks	0.0	mg/kg
			Acetone	0.042		mg/kg	Sediment Benchmarks	0.0	mg/kg
			Barium	81.8		mg/kg	Sediment Benchmarks	0.0	mg/kg
SW107	27SD107	--	Cadmium	0.73		mg/kg	Soil Background	0.67	mg/kg
SW114	27SD114	--	Selenium	1.8		mg/kg	Soil Background	0.44	mg/kg
SW127	27SD127	--	Cadmium	1.7	J	mg/kg	Soil Background	0.67	mg/kg
			Lead	33.5	J	mg/kg	Soil Background	19	mg/kg
SW128	27SD128	--	Cadmium	0.7	J	mg/kg	Soil Background	0.67	mg/kg

Table 5.1 FH-027 Sediment Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result		Units	Screening Criteria	Screening Concentration	Units
SW129	27SD129	--	1,2,4-trimethylbenzene	41	J	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			2-Methylnaphthalene	6.2		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Barium	248		mg/kg	Soil Background	157.3	mg/kg
			Cadmium	17.6		mg/kg	Soil Background	0.67	mg/kg
			Dibenzofuran	0.54		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Lead	33.9		mg/kg	Soil Background	19	mg/kg
			n-Butylbenzene	10		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			n-propylbenzene	4.7		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Selenium	0.52	B	mg/kg	Soil Background	0.44	mg/kg
SW130	27SD130	--	1,2,4-trimethylbenzene	0.088		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			1,3,5-trimethylbenzene	0.078		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Bis(2-ethylhexyl)phthalate	3.9		mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Cadmium	5.9		mg/kg	Soil Background	0.67	mg/kg
			Isopropyl Benzene	0.011		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Lead	24.7		mg/kg	Soil Background	19	mg/kg
			n-propylbenzene	0.019		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
SW131	27SD131	--	Cadmium	1.7	J	mg/kg	Soil Background	0.67	mg/kg
SW132	27SD132	--	Cadmium	7.5	J	mg/kg	Soil Background	0.67	mg/kg
			Chromium	25.4	J	mg/kg	Soil Background	24.9	mg/kg
			Lead	31.2	J	mg/kg	Soil Background	19	mg/kg
			Selenium	0.5		mg/kg	Soil Background	0.44	mg/kg
SW137	27SD137	--	Cadmium	14.8		mg/kg	Soil Background	0.67	mg/kg
			Lead	76.3		mg/kg	Soil Background	19	mg/kg
SW138	27SD138	--	Cadmium	1.3		mg/kg	Soil Background	0.67	mg/kg

Table 5.1 FH-027 Sediment Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result		Units	Screening Criteria	Screening Concentration	Units
SW139	27SD139	--	4-Methyl-2-pentanone	0.011		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			4-Methylphenol	2.4		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Bis(2-ethylhexyl)phthalate	4.1		mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Cadmium	7.9		mg/kg	Soil Background	0.67	mg/kg
			Lead	37.8		mg/kg	Soil Background	19	mg/kg
			Selenium	0.48	B	mg/kg	Soil Background	0.44	mg/kg
SW140	27SD140	--	Cadmium	0.78		mg/kg	Soil Background	0.67	mg/kg
			Phenanthrene	0.54		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
SW141	27SD141	--	Cadmium	1.6		mg/kg	Soil Background	0.67	mg/kg
			Chromium	32.9		mg/kg	Soil Background	24.9	mg/kg
			Lead	169		mg/kg	Soil Background	19	mg/kg
SW142	27SD142	--	Cadmium	1.4		mg/kg	Soil Background	0.67	mg/kg
SW143	27SD143	--	2-Methylnaphthalene	1.3		mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Cadmium	0.84		mg/kg	Soil Background	0.67	mg/kg
			Mercury	0.09		mg/kg	Soil Background	0.04	mg/kg

J - Indicates estimated value
B (Inorganics) - Value was less then the Contract Required Detection Limit (CRDL) but greater than or equal to the Instrument Detection Limit (IDL).
B (Organics) - Constituent dtected in associated blank sample
* - Duplicate analysis not within control limits.

Table 5.2 FH-027 Surface Water Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result	Units	Screening Criteria	Screening Concentration	Units
SW110	27SW110	--	Cadmium	0.0348	mg/l	30 TAC 335 Groundwater	0.005	mg/l
SW111	27SW111	--	Cadmium	0.0138	mg/l	30 TAC 335 Groundwater	0.005	mg/l
SW112	27SW112	--	4-Methyl-2-pentanone	0.006	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW115	27SW115	--	Cadmium	0.0182	mg/l	30 TAC 335 Groundwater	0.005	mg/l
SW118	27SW118	--	1,2,4-trimethylbenzene	0.007	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Bis(2-ethylhexyl)phthalate	0.012	mg/l	30 TAC 335 Groundwater	0.00608	mg/l
			Cadmium	0.0301	mg/l	30 TAC 335 Groundwater	0.005	mg/l
SW119	27SW119	--	1,2,4-trimethylbenzene	0.016	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Cadmium	0.0069	mg/l	30 TAC 335 Groundwater	0.005	mg/l
SW123	27SW123	--	1,2,4-trimethylbenzene	0.022	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			2-Methylnaphthalene	0.018	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW127	27SW127	--	Bis(2-ethylhexyl)phthalate	0.042	mg/l	30 TAC 335 Groundwater	0.00608	mg/l
SW129	27SW129	--	1,2,4-trimethylbenzene	0.013	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Bis(2-ethylhexyl)phthalate	0.018	mg/l	30 TAC 335 Groundwater	0.00608	mg/l
			Cadmium	0.0119	mg/l	30 TAC 335 Groundwater	0.005	mg/l

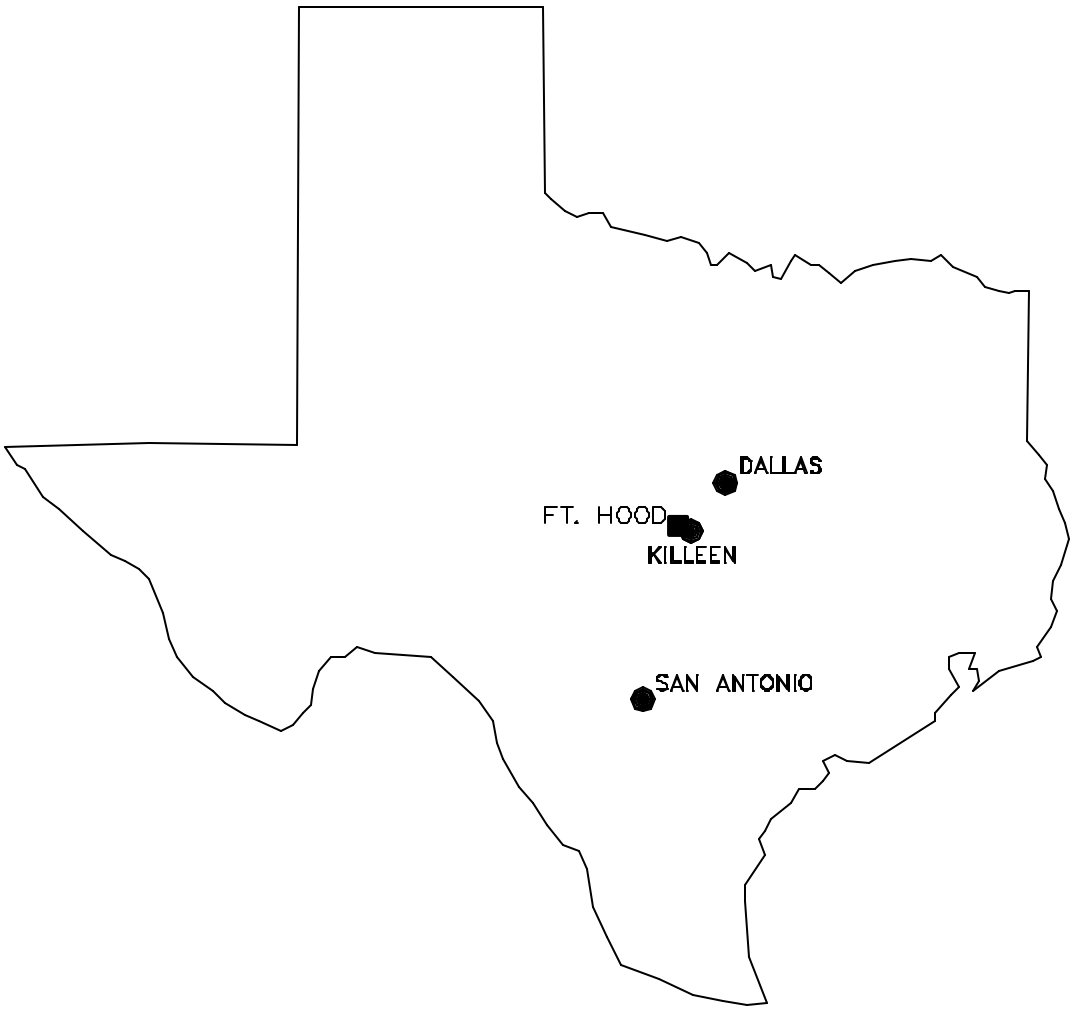
Table 5.2 FH-027 Surface Water Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result		Units	Screening Criteria	Screening Concentration	Units
SW131	27SW131	--	1,2,4-trimethylbenzene	0.044		mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW132	27SW132	--	p-Isopropyltoluene	0.036		mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW134	27SW134	--	1,2,4-trimethylbenzene	0.014		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Cadmium	0.0067		mg/l	30 TAC 335 Groundwater	0.005	mg/l
SW135	27SW135	--	1,2,4-trimethylbenzene	0.2		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			1,3,5-trimethylbenzene	0.1		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			2-Methylnaphthalene	0.046		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Cadmium	0.0129		mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Isopropyl Benzene	0.008		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Lead	0.0225	J	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			n-Butylbenzene	0.006		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			n-propylbenzene	0.018		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			p-Isopropyltoluene	0.019		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			sec-Butylbenzene	0.006		mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW136	27SW136	--	4-Methyl-2-pentanone	0.006		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Cadmium	0.0119		mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Lead	0.0201		mg/l	30 TAC 335 Groundwater	0.015	mg/l
SW138	27SW138	--	4-Methyl-2-pentanone	0.009		mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Cadmium	0.0068		mg/l	30 TAC 335 Groundwater	0.005	mg/l
SW139	27SW139	--	Cadmium	0.0057		mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Lead	0.0162		mg/l	30 TAC 335 Groundwater	0.015	mg/l

Table 5.2 FH-027 Surface Water Analytes Above Screening Criteria

Location	Sample ID	Depth	Parameter	Result	Units	Screening Criteria	Screening Concentration	Units
SW141	27SW141	--	1,2,4-trimethylbenzene	0.11	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			1,3,5-trimethylbenzene	0.048	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Benzene	0.48	mg/l	30 TAC 335 Groundwater	0.005	mg/l
SW143	27SW143	--	1,2,4-trimethylbenzene	0.01	mg/l	30 TAC 335 Groundwater	0.0	mg/l

J - Indicates estimated value



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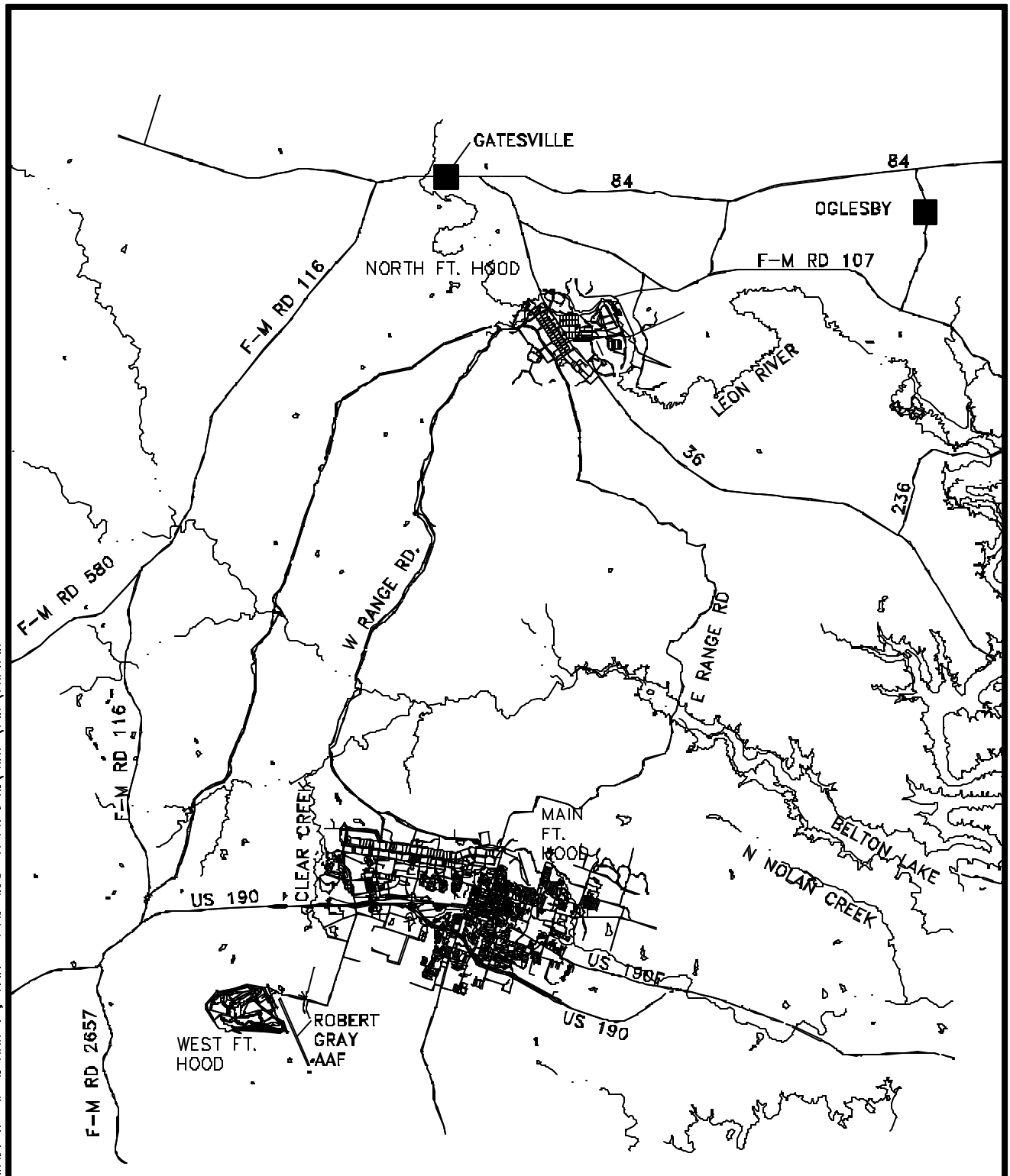
U.S. ARMY
FORT HOOD, TEXAS

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

View of Lake A and Pump House Looking Southwest

View of Lake A Looking West

Figure 3.1 Photographs of Lake A at FH-027

A Lined Ditch Leading to an Unlined Ditch along North Avenue

A Lined Ditch along North Avenue

Figure 3.2 Photographs of Lined and Unlined Ditches at FH-027

NAME: S:\HOOD\P1\27SC99-B.DWG DATE: OCT 11, 1999 TIME: 11:41 AM PCP: S:\HOOD\PCP\FRP1.PCP

FH-027_SW-107
Cadmium 0.73 MG/KG

FH-027_SW-108

FH-027_SW-106
2-Butanone 0.009 MG/KG
Acetone 0.042 MG/KG
Barium 81.8 MG/KG

FH-027_SW-105
2-Butanone 0.014 MG/KG
Barium 71.6 MG/KG
Cadmium 1.2 MG/KG
Lead 36.2 MG/KG

FH-027_SW-104
Arsenic 6.5 * MG/KG
Barium 64.8 MG/KG
Cadmium 3.2 MG/KG
Lead 63.8 MG/KG

FH-027_SW-103

FH-027_SB-101

FH-027_SW-102

FH-027_SW-101
Cadmium 4.1 MG/KG
Lead 20 MG/KG

FH-027_SW-138
Cadmium 1.3 MG/KG
4-Methyl-2-pentanone 0.009 MG/L
Cadmium 0.0068 MG/L

FH-027_SW-139
4-Methyl-2-pentanone 0.011 MG/KG
4-Methylphenol 2.4 MG/KG
Bis(2-ethylhexyl)phthalate 4.1 MG/KG
Cadmium 7.9 MG/KG
Lead 37.8 MG/KG
Selenium 0.48 B MG/KG
Cadmium 0.0057 MG/L
Lead 0.0162 MG/L

FH-027_SW-140
Cadmium 0.78 MG/KG
Phenanthrene 0.54 MG/KG

FH-027_SW-112
4-Methyl-2-pentanone 0.006 MG/L

FH-027_SW-110
Cadmium 0.0348 MG/L

FH-027_SW-118
1,2,4-trimethylbenzene 0.007 MG/L
Bis(2-ethylhexyl)phthalate 0.012 MG/L
Cadmium 0.0301 MG/L

FH-027_SW-113

FH-027_SW-119
1,2,4-trimethylbenzene 0.016 MG/L
Cadmium 0.0069 MG/L

FH-027_SW-111
Cadmium 0.0138 MG/L

FH-027_SW-109
4-Methyl-2-pentanone 0.005 MG/L

FH-027_SW-114
Selenium 1.8 MG/KG

FH-027_SW-136
1,3,5-trimethylbenzene 0.005 J MG/L
4-Methyl-2-pentanone 0.006 MG/L
Bis(2-ethylhexyl)phthalate 0.01 J MG/L
Cadmium 0.0119 MG/L
Lead 0.0201 MG/L

FH-027_SW-141
Cadmium 1.6 MG/KG
Chromium 32.9 MG/KG
Lead 169 MG/KG
1,2,4-trimethylbenzene 0.11 MG/L
1,3,5-trimethylbenzene 0.048 MG/L
Benzene 0.48 MG/L

FH-027_SW-134
1,2,4-trimethylbenzene 0.014 MG/L
Cadmium 0.0067 MG/L

FH-027_SW-117

FH-027_SW-116

FH-027_SW-115
Cadmium 0.0182 MG/L

FH-027_SW-135
1,2,4-trimethylbenzene 0.2 MG/L
1,3,5-trimethylbenzene 0.1 MG/L
2-Methylnaphthalene 0.046 MG/L
Cadmium 0.0129 MG/L
Isopropyl Benzene 0.008 MG/L
Lead 0.0225 J MG/L
n-Butylbenzene 0.006 MG/L
n-propylbenzene 0.018 MG/L
p-Isopropyltoluene 0.019 MG/L
sec-Butylbenzene 0.006 MG/L

FH-027
MAIN FT. HOOD LOCATION MAP

N
True North

50 0 50 100
METERS

LEGEND

825 TOPOGRAPHIC CONTOUR (FT.)	SOIL BORING
DRAINAGE	SURFACE WATER LOCATION
BLUE DENOTES NOVEMBER 1996 SEDIMENT SAMPLING	SEDIMENT LOCATION
RED DENOTES NOVEMBER 1996 SURFACE WATER SAMPLING	SURFACE WATER AND SEDIMENT LOCATION
GREEN DENOTES MARCH 1998 SAMPLING	OIL/WATER SEPERATOR

U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

East Portion of FH-027 Sampling Locations and Results Above Screening Criteria

SAIC® Science Applications International Corporation — Columbus, Ohio

SCALE AS SHOWN

FIGURE NO. 4.2

NAME: S:\HOOD\P1\27SC99-A.DWG DATE: OCT 11, 1999 TIME: 11:34 AM PCP: S:\HOOD\PCP\FRP1.PCP

FH-027_SW-132

Cadmium	7.5 J	MG/KG
Chromium	25.4 J	MG/KG
Lead	31.2 J	MG/KG
Selenium	0.5	MG/KG
p-Isopropyltoluene	0.036	MG/L

FH-027_SW-137

FH-027_SW-131

Cadmium	1.7 J	MG/KG
1,2,4-trimethylbenzene	0.044	MG/L

FH-027_SW-143

2-Methylnaphthalene	1.3	MG/KG
Cadmium	0.84	MG/KG
Mercury	0.09	MG/KG
1,2,4-trimethylbenzene	0.01	MG/L

FH-027_SW-130/S

1,2,4-trimethylbenzene	0.088	MG/KG
1,3,5-trimethylbenzene	0.078	MG/KG
Bis(2-ethylhexyl)phthalate	3.9	MG/KG
Cadmium	5.9	MG/KG
Isopropyl Benzene	0.011	MG/KG
Lead	24.7	MG/KG
n-propylbenzene	0.019	MG/KG

FH-027_SW-129

1,2,4-trimethylbenzene	41 J	MG/KG
2-Methylnaphthalene	6.2	MG/KG
Barium	248	MG/KG
Cadmium	17.6	MG/KG
Dibenzofuran	0.54	MG/KG
Lead	33.9	MG/KG
Selenium	0.52 B	MG/KG
n-Butylbenzene	10	MG/KG
n-propylbenzene	4.7	MG/KG
1,2,4-trimethylbenzene	0.013	MG/L
Bis(2-ethylhexyl)phthalate	0.018	MG/L
Cadmium	0.0119	MG/L

FH-027_SW-142

Cadmium	1.4	MG/KG

FH-027_SW-128

Cadmium	0.7 J	MG/KG

FH-027_SW-127

Cadmium	1.7 J	MG/KG
Lead	33.5 J	MG/KG
Bis(2-ethylhexyl)phthalate	0.042	MG/L

FH-027_SW-126

FH-027_SW-123

1,2,4-trimethylbenzene	0.022	MG/L
2-Methylnaphthalene	0.018	MG/L

FH-027_SW-124

N
True North

50 0 50 100
METERS

LEGEND

825	TOPOGRAPHIC CONTOUR (FT.)
	DRAINAGE
BLUE DENOTES	NOVEMBER 1996 SEDIMENT SAMPLING
RED DENOTES	NOVEMBER 1996 SURFACE WATER SAMPLING
GREEN DENOTES	MARCH 1998 SAMPLING
	SOIL BORING
	SURFACE WATER LOCATION
	SEDIMENT LOCATION
	SURFACE WATER AND SEDIMENT LOCATION
	OIL/WATER SEPERATOR

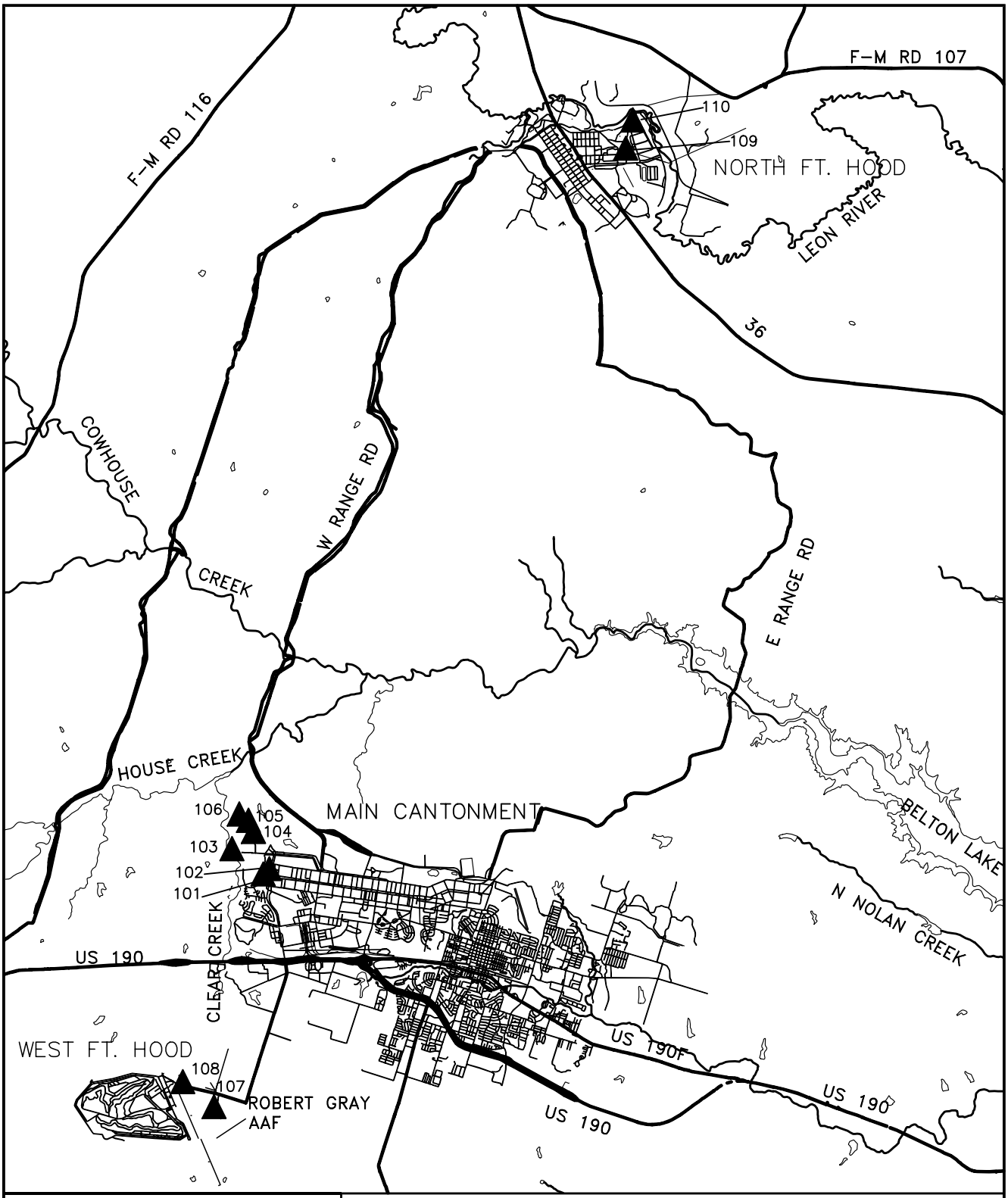
U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

West Portion of FH-027 Sampling Locations and Results Above Screening Criteria

SAIC® Science Applications International Corporation — Columbus, Ohio

SCALE		FIGURE NO.
AS SHOWN		4.1



LEGEND

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

U.S. ARMY
FORT HOOD, TEXAS

RCRA FACILITY INVESTIGATION

LOCATIONS OF BACKGROUND SOIL SAMPLES

Science Applications International Corporation — Columbus, Ohio

DRAWN	CHECKED	DATE	SCALE	PROJECT NO.	FIGURE NO.
SC			1"=5000M		4.3

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

APPENDIX A

FH-027 Sediment and Surface Water Analytical Results

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.02

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22422.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 Date Analyzed: 11/26/96

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	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	8	U
67-64-1	ACETONE	7	JB
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	8	U
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	8	U
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	8	U
95-47-6	o-XYLENE	8	U
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.02

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22422.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 Date Analyzed: 11/26/96

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	8	U
75-71-8	DICHLORODIFLUOROMETHANE	8	U
75-69-4	TRICHLOROFLUOROMETHANE	8	U
74-95-3	DIBROMOMETHANE	8	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	8	U
108-86-1	BROMOBENZENE	8	U
104-51-8	n-BUTYLBENZENE	8	U
98-06-6	tert-BUTYLBENZENE	8	U
135-98-8	sec-BUTYLBENZENE	8	U
95-49-8	2-CHLOROTOLUENE	8	U
106-43-4	4-CHLOROTOLUENE	8	U
95-50-1	1 2-DICHLOROBENZENE	8	U
541-73-1	1 3-DICHLOROBENZENE	8	U
106-46-7	1 4-DICHLOROBENZENE	8	U
142-28-9	1 3-DICHLOROPROPANE	8	U
594-20-7	2 2-DICHLOROPROPANE	8	U
563-58-6	1 1-DICHLOROPROPENE	8	U
87-68-3	HEXACHLOROBUTADIENE	8	U
98-82-8	ISOPROPYLBENZENE	8	U
99-87-6	p-ISOPROPYLTOLUENE	8	U
91-20-3	NAPHTHALENE	8	U
103-65-1	n-PROPYLBENZENE	8	U
87-61-6	1 2 3-TRICHLOROBENZENE	8	U
120-82-1	1 2 4-TRICHLOROBENZENE	8	U
95-63-6	1 2 4-TRIMETHYLBENZENE	8	U
108-67-8	1 3 5-TRIMETHYLBENZENE	8	U
74-97-5	BROMOCHLOROMETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD101RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.02RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22445.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 Date Analyzed: 11/27/96

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	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	9	
67-64-1	ACETONE	8	U
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	8	U
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	8	U
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	8	U
95-47-6	o-XYLENE	8	U
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD101RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.02RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22445.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 Date Analyzed: 11/27/96

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	8	U
75-71-8	DICHLORODIFLUOROMETHANE	8	U
75-69-4	TRICHLOROFLUOROMETHANE	8	U
74-95-3	DIBROMOMETHANE	8	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	8	U
108-86-1	BROMOBENZENE	8	U
104-51-8	n-BUTYLBENZENE	8	U
98-06-6	tert-BUTYLBENZENE	8	U
135-98-8	sec-BUTYLBENZENE	8	U
95-49-8	2-CHLOROTOLUENE	8	U
106-43-4	4-CHLOROTOLUENE	8	U
95-50-1	1 2-DICHLOROBENZENE	8	U
541-73-1	1 3-DICHLOROBENZENE	8	U
106-46-7	1 4-DICHLOROBENZENE	8	U
142-28-9	1 3-DICHLOROPROPANE	8	U
594-20-7	2 2-DICHLOROPROPANE	8	U
563-58-6	1 1-DICHLOROPROPENE	8	U
87-68-3	HEXACHLOROBUTADIENE	8	U
98-82-8	ISOPROPYLBENZENE	8	U
99-87-6	p-ISOPROPYLTOLUENE	8	U
91-20-3	NAPHTHALENE	8	U
103-65-1	n-PROPYLBENZENE	8	U
87-61-6	1 2 3-TRICHLOROBENZENE	8	U
120-82-1	1 2 4-TRICHLOROBENZENE	8	U
95-63-6	1 2 4-TRIMETHYLBENZENE	8	U
108-67-8	1 3 5-TRIMETHYLBENZENE	8	U
74-97-5	BROMOCHLOROMETHANE	8	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3616.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
100-51-6	Benzyl alcohol	530	U
95-50-1	1,2-Dichlorobenzene	530	U
95-48-7	2-Methylphenol	530	U
108-60-1	bis(2-Chloroisopropyl)ether	530	U
106-44-5	4-Methylphenol	530	U
621-64-7	N-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
65-85-0	Benzoic Acid	330	J
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	2600	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC: 27SD101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3616.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	530	U
121-14-2	2,4-Dinitrotoluene	530	U
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	530	U
84-66-2	Diethylphthalate	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
86-73-7	Fluorene	530	U
100-01-6	4-Nitroaniline	2600	U
534-52-1	4,6-Dinitro-2-methylphenol	2600	U
86-30-6	N-Nitrosodiphenylamine_(1)	530	U
101-55-3	4-Bromophenylphenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	530	U
120-12-7	Anthracene	530	U
84-74-2	Di-n-butylphthalate	530	U
206-44-0	Fluoranthene	86	J
129-00-0	Pyrene	84	J
85-68-7	Butylbenzylphthalate	530	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	59	J
218-01-9	Chrysene	71	J
117-81-7	bis(2-Ethylhexyl)phthalate	320	J
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo(b)fluoranthene	82	J
207-08-9	Benzo(k)fluoranthene	530	U
50-32-8	Benzo(a)pyrene	530	U
193-39-5	Indeno(1,2,3-cd)pyrene	530	U
53-70-3	Dibenz(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	60	J
110-86-1	Pyridine	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC: 27SD101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.02

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3616.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 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	530	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68502

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685A

Matrix (soil/water): SOIL Lab Sample ID: 27685.02

Level (low/med): LOW Date Received: 11/19/96

% Solids: 61.6

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.0			P
7440-39-3	Barium	56.9			P
7440-43-9	Cadmium	4.1			P
7440-47-3	Chromium	12.5			P
7439-92-1	Lead	20.0			P
7439-97-6	Mercury	0.05	U		AV
7782-49-2	Selenium	0.72	B		P
7440-22-4	Silver	0.31	U		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD101

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.03

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22419.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 24 Date Analyzed: 11/26/96

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	JB
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.
27SD102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.03

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22419.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 24 Date Analyzed: 11/26/96

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 NC: 27SD102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3617.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 24 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
100-51-6	Benzyl alcohol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	bis(2-Chloroisopropyl)ether	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
65-85-0	Benzoic Acid	2100	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3617.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 24 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	430	U
121-14-2	2,4-Dinitrotoluene	430	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenylphenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	430	U
129-00-0	Pyrene	430	U
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	Benzo(a)anthracene	430	U
218-01-9	Chrysene	430	U
117-81-7	bis(2-Ethylhexyl)phthalate	430	U
117-84-0	Di-n-octylphthalate	430	U
205-99-2	Benzo(b)fluoranthene	430	U
207-08-9	Benzo(k)fluoranthene	430	U
50-32-8	Benzo(a)pyrene	430	U
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U
110-86-1	Pyridine	430	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.03

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3617.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 24 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	430	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68503

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 27685A

Lab Code: SWOK__ Case No.: 27685 SAS No.: _____ Lab Sample ID: 27685.03__

Matrix (soil/water): SOIL_ Date Received: 11/19/96

Level (low/med): LOW__

% Solids: _76.2

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	6.2			P
7440-39-3	Barium	18.5			P
7440-43-9	Cadmium	0.16	B		P
7440-47-3	Chromium	9.8			P
7439-92-1	Lead	6.6			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	0.53	B		P
7440-22-4	Silver	0.25	U		P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: _____ Artifacts: _____

Comments:

CLIENT_ID_=_27SD102

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22399.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 Date Analyzed: 11/25/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	200	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	4	J
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.04

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22399.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 Date Analyzed: 11/25/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3618.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

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/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
100-51-6	Benzyl alcohol	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	bis(2-Chloroisopropyl)ether	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
65-85-0	Benzoic Acid	2100	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3618.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

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/KG	Q
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	440	U
121-14-2	2,4-Dinitrotoluene	440	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenylphenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	58	J
129-00-0	Pyrene	440	U
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	880	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	bis(2-Ethylhexyl)phthalate	440	U
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	53	J
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U
110-86-1	Pyridine	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC: 27SD103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.04

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3618.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

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/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	440	U

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68504

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685A

Matrix (soil/water): SOIL Lab Sample ID: 27685.04

Level (low/med): LOW Date Received: 11/19/96

% Solids: 75.2

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	24.7			P
7440-43-9	Cadmium	0.19	B		P
7440-47-3	Chromium	7.3			P
7439-92-1	Lead	7.4			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	0.57	B		P
7440-22-4	Silver	0.25	U		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD103

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD104

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22455.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 42 Date Analyzed: 11/27/96

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	9	U
74-83-9	BROMOMETHANE	9	U
75-01-4	VINYL CHLORIDE	9	U
75-00-3	CHLOROETHANE	9	U
75-09-2	METHYLENE CHLORIDE	4	J
67-64-1	ACETONE	22	B
75-35-4	1 1-DICHLOROETHENE	9	U
75-34-3	1 1-DICHLOROETHANE	9	U
67-66-3	CHLOROFORM	5	J
107-06-2	1 2-DICHLOROETHANE	9	U
78-93-3	2-BUTANONE	9	U
71-55-6	1 1 1-TRICHLOROETHANE	9	U
56-23-5	CARBON TETRACHLORIDE	9	U
75-27-4	BROMODICHLOROMETHANE	9	U
78-87-5	1 2-DICHLOROPROPANE	9	U
79-01-6	TRICHLOROETHENE	9	U
124-48-1	DIBROMOCHLOROMETHANE	9	U
79-00-5	1 1 2-TRICHLOROETHANE	9	U
71-43-2	BENZENE	9	U
75-25-2	BROMOFORM	9	U
108-10-1	4-METHYL-2-PENTANONE	9	U
591-78-6	2-HEXANONE	9	U
127-18-4	TETRACHLOROETHENE	9	U
108-88-3	TOLUENE	9	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	9	U
108-90-7	CHLOROBENZENE	9	U
100-41-4	ETHYL BENZENE	9	U
100-42-5	STYRENE	9	U
156-59-2	cis-1 2-DICHLOROETHENE	9	U
156-60-5	trans-1 2-DICHLOROETHENE	9	U
13-302-07	m,p-XYLENES	9	U
95-47-6	o-XYLENE	9	U
106-93-4	1 2-DIBROMOETHANE	9	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	9	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD104

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.12

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22455.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 42 Date Analyzed: 11/27/96

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	9	U
75-71-8	DICHLORODIFLUOROMETHANE	9	U
75-69-4	TRICHLOROFLUOROMETHANE	9	U
74-95-3	DIBROMOMETHANE	9	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	9	U
108-86-1	BROMOBENZENE	9	U
104-51-8	n-BUTYLBENZENE	9	U
98-06-6	tert-BUTYLBENZENE	9	U
135-98-8	sec-BUTYLBENZENE	9	U
95-49-8	2-CHLOROTOLUENE	9	U
106-43-4	4-CHLOROTOLUENE	9	U
95-50-1	1 2-DICHLOROBENZENE	9	U
541-73-1	1 3-DICHLOROBENZENE	9	U
106-46-7	1 4-DICHLOROBENZENE	9	U
142-28-9	1 3-DICHLOROPROPANE	9	U
594-20-7	2 2-DICHLOROPROPANE	9	U
563-58-6	1 1-DICHLOROPROPENE	9	U
87-68-3	HEXACHLOROBUTADIENE	9	U
98-82-8	ISOPROPYLBENZENE	9	U
99-87-6	p-ISOPROPYLTOLUENE	9	U
91-20-3	NAPHTHALENE	9	U
103-65-1	n-PROPYLBENZENE	9	U
87-61-6	1 2 3-TRICHLOROBENZENE	9	U
120-82-1	1 2 4-TRICHLOROBENZENE	9	U
95-63-6	1 2 4-TRIMETHYLBENZENE	9	U
108-67-8	1 3 5-TRIMETHYLBENZENE	9	U
74-97-5	BROMOCHLOROMETHANE	9	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD104

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3713.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 42 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	570	U
111-44-4	bis(2-Chloroethyl)ether	570	U
95-57-8	2-Chlorophenol	570	U
541-73-1	1,3-Dichlorobenzene	570	U
106-46-7	1,4-Dichlorobenzene	570	U
100-51-6	Benzyl alcohol	570	U
95-50-1	1,2-Dichlorobenzene	570	U
95-48-7	2-Methylphenol	570	U
108-60-1	bis(2-Chloroisopropyl)ether	570	U
106-44-5	4-Methylphenol	570	U
621-64-7	N-Nitroso-di-n-propylamine	570	U
67-72-1	Hexachloroethane	570	U
98-95-3	Nitrobenzene	570	U
78-59-1	Isophorone	570	U
88-75-5	2-Nitrophenol	570	U
105-67-9	2,4-Dimethylphenol	570	U
65-85-0	Benzoic Acid	2800	U
111-91-1	bis(2-Chloroethoxy)methane	570	U
120-83-2	2,4-Dichlorophenol	570	U
120-82-1	1,2,4-Trichlorobenzene	570	U
91-20-3	Naphthalene	570	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	570	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	570	U
88-06-2	2,4,6-Trichlorophenol	570	U
95-95-4	2,4,5-Trichlorophenol	2800	U
91-58-7	2-Chloronaphthalene	570	U
88-74-4	2-Nitroaniline	2800	U
131-11-3	Dimethylphthalate	570	U
208-96-8	Acenaphthylene	570	U
606-20-2	2,6-Dinitrotoluene	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD104

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3713.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 42 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2800	U
83-32-9	Acenaphthene	570	U
121-14-2	2,4-Dinitrotoluene	570	U
51-28-5	2,4-Dinitrophenol	2800	U
100-02-7	4-Nitrophenol	2800	U
132-64-9	Dibenzofuran	570	U
84-66-2	Diethylphthalate	570	U
7005-72-3	4-Chlorophenyl-phenylether	570	U
86-73-7	Fluorene	69	J
100-01-6	4-Nitroaniline	2800	U
534-52-1	4,6-Dinitro-2-methylphenol	2800	U
86-30-6	N-Nitrosodiphenylamine (1)	570	U
101-55-3	4-Bromophenylphenylether	570	U
118-74-1	Hexachlorobenzene	570	U
87-86-5	Pentachlorophenol	2800	U
85-01-8	Phenanthrene	120	J
120-12-7	Anthracene	570	U
84-74-2	Di-n-butylphthalate	570	U
206-44-0	Fluoranthene	67	J
129-00-0	Pyrene	83	J
85-68-7	Butylbenzylphthalate	570	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	570	U
218-01-9	Chrysene	78	J
117-81-7	bis(2-Ethylhexyl)phthalate	540	J
117-84-0	Di-n-octylphthalate	570	U
205-99-2	Benzo(b)fluoranthene	570	U
207-08-9	Benzo(k)fluoranthene	570	U
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	570	U
53-70-3	Dibenz(a,h)anthracene	570	U
191-24-2	Benzo(g,h,i)perylene	570	U
110-86-1	Pyridine	570	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD104

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.12

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3713.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 42 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	570	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

72612

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____

Lab Code: SWOK__ Case No.: _____ SAS No.: _____ SDG No.: 27726A

Matrix (soil/water): SOIL_ Lab Sample ID: 27726.12__

Level (low/med): LOW__ Date Received: 11/21/96

% Solids: _58.3

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	6.5		*	P
7440-39-3	Barium	64.8			P
7440-43-9	Cadmium	3.2			P
7440-47-3	Chromium	19.2			P
7439-92-1	Lead	63.8			P
7439-97-6	Mercury	0.03	U		AV
7782-49-2	Selenium	0.48	U		P
7440-22-4	Silver	0.21	U		P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

CLIENT_ID:_____

27SD104_____

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD105

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22456.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 39 Date Analyzed: 11/27/96

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	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	8	U
67-64-1	ACETONE	45	B
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	14	
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	8	U
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	8	U
95-47-6	o-XYLENE	8	U
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD105

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.13

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22456.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 39 Date Analyzed: 11/27/96

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	8	U
75-71-8	DICHLORODIFLUOROMETHANE	8	U
75-69-4	TRICHLOROFLUOROMETHANE	8	U
74-95-3	DIBROMOMETHANE	8	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	8	U
108-86-1	BROMOBENZENE	8	U
104-51-8	n-BUTYLBENZENE	8	U
98-06-6	tert-BUTYLBENZENE	8	U
135-98-8	sec-BUTYLBENZENE	8	U
95-49-8	2-CHLOROTOLUENE	8	U
106-43-4	4-CHLOROTOLUENE	8	U
95-50-1	1 2-DICHLOROBENZENE	8	U
541-73-1	1 3-DICHLOROBENZENE	8	U
106-46-7	1 4-DICHLOROBENZENE	8	U
142-28-9	1 3-DICHLOROPROPANE	8	U
594-20-7	2 2-DICHLOROPROPANE	8	U
563-58-6	1 1-DICHLOROPROPENE	8	U
87-68-3	HEXACHLOROBUTADIENE	8	U
98-82-8	ISOPROPYLBENZENE	8	U
99-87-6	p-ISOPROPYLTOLUENE	8	U
91-20-3	NAPHTHALENE	8	U
103-65-1	n-PROPYLBENZENE	8	U
87-61-6	1 2 3-TRICHLOROBENZENE	8	U
120-82-1	1 2 4-TRICHLOROBENZENE	8	U
95-63-6	1 2 4-TRIMETHYLBENZENE	8	U
108-67-8	1 3 5-TRIMETHYLBENZENE	8	U
74-97-5	BROMOCHLOROMETHANE	8	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD105

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3714.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 39 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	540	U
111-44-4	bis(2-Chloroethyl)ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
100-51-6	Benzyl alcohol	540	U
95-50-1	1,2-Dichlorobenzene	540	U
95-48-7	2-Methylphenol	540	U
108-60-1	bis(2-Chloroisopropyl)ether	540	U
106-44-5	4-Methylphenol	540	U
621-64-7	N-Nitroso-di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	2600	U
65-85-0	Benzoic Acid	540	U
111-91-1	bis(2-Chloroethoxy)methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	58	J
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	2600	U
95-95-4	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	2600	U
88-74-4	2-Nitroaniline	540	U
131-11-3	Dimethylphthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene		

60

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD105

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3714.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 39 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	540	U
121-14-2	2,4-Dinitrotoluene	540	U
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	540	U
84-66-2	Diethylphthalate	540	U
7005-72-3	4-Chlorophenyl-phenylether	540	U
86-73-7	Fluorene	70	J
100-01-6	4-Nitroaniline	2600	U
534-52-1	4,6-Dinitro-2-methylphenol	2600	U
86-30-6	N-Nitrosodiphenylamine (1)	540	U
101-55-3	4-Bromophenylphenylether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	80	J
120-12-7	Anthracene	540	U
84-74-2	Di-n-butylphthalate	540	U
206-44-0	Fluoranthene	86	J
129-00-0	Pyrene	110	J
85-68-7	Butylbenzylphthalate	540	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	540	U
218-01-9	Chrysene	74	J
117-81-7	bis(2-Ethylhexyl)phthalate	440	J
117-84-0	Di-n-octylphthalate	540	U
205-99-2	Benzo(b)fluoranthene	540	U
207-08-9	Benzo(k)fluoranthene	540	U
50-32-8	Benzo(a)pyrene	220	J
193-39-5	Indeno(1,2,3-cd)pyrene	540	U
53-70-3	Dibenz(a,h)anthracene	540	U
191-24-2	Benzo(g,h,i)perylene	540	U
110-86-1	Pyridine	540	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD105

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) SOIL Lab Sample ID: 27726.13

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3714.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 39 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	540	U

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

72613

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC SDG No.: 27726A
Lab Code: SWOK Case No.: SAS No.: Lab Sample ID: 27726.13
Matrix (soil/water): SOIL Date Received: 11/21/96
Level (low/med): LOW
% Solids: 61.4

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.7		*	P
7440-39-3	Barium	71.6			P
7440-43-9	Cadmium	1.2			P
7440-47-3	Chromium	14.2			P
7439-92-1	Lead	36.2			P
7439-97-6	Mercury	0.03	U		AV
7782-49-2	Selenium	0.46	U		P
7440-22-4	Silver	0.20	U		P

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

Comments:
CLIENT_ID:
27SD105

FORM I - IN

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD106

ab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) SOIL Lab Sample ID: 27746.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22498.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 32 Date Analyzed: 12/03/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	42	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	9	
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD106

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) SOIL Lab Sample ID: 27746.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22498.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 32 Date Analyzed: 12/03/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD106

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) SOIL Lab Sample ID: 27746.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00526.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 32 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
100-51-6	Benzyl alcohol	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	bis(2-Chloroisopropyl)ether	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
65-85-0	Benzoic Acid	100	J
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	480	U
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	2400	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethylphthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD106

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) SOIL Lab Sample ID: 27746.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00526.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 32 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	480	U
121-14-2	2,4-Dinitrotoluene	480	U
51-28-5	2,4-Dinitrophenol	2400	U
100-02-7	4-Nitrophenol	2400	U
132-64-9	Dibenzofuran	480	U
84-66-2	Diethylphthalate	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	480	U
100-01-6	4-Nitroaniline	2400	U
534-52-1	4,6-Dinitro-2-methylphenol	2400	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenylphenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	480	U
120-12-7	Anthracene	480	U
84-74-2	Di-n-butylphthalate	480	U
206-44-0	Fluoranthene	480	U
129-00-0	Pyrene	480	U
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	970	U
56-55-3	Benzo(a)anthracene	480	U
218-01-9	Chrysene	480	U
117-81-7	bis(2-Ethylhexyl)phthalate	90	JB
117-84-0	Di-n-octylphthalate	480	U
205-99-2	Benzo(b)fluoranthene	480	U
207-08-9	Benzo(k)fluoranthene	480	U
50-32-8	Benzo(a)pyrene	150	J
193-39-5	Indeno(1,2,3-cd)pyrene	480	U
53-70-3	Dibenz(a,h)anthracene	480	U
191-24-2	Benzo(g,h,i)perylene	480	U
110-86-1	Pyridine	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD106

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) SOIL Lab Sample ID: 27746.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00526.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 32 dec. Date Extracted:11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	480	U

FORM I SV-3

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74621

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27746 SAS No.: SDG No.: 27746A

Matrix (soil/water): SOIL Lab Sample ID: 27746.21

Level (low/med): LOW Date Received: 11/22/96

% Solids: 67.8

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.4			P
7440-39-3	Barium	81.8			P
7440-43-9	Cadmium	0.33	B		P
7440-47-3	Chromium	12.8			P
7439-92-1	Lead	12.1			P
7439-97-6	Mercury	0.05	U		AV
7782-49-2	Selenium	0.44	U		P
7440-22-4	Silver	0.28	U		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD106

FORM I - IN

ILM02.1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD107

ab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22423.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 Date Analyzed: 11/26/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	7	U
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	7	U
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD107

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.05

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22423.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 Date Analyzed: 11/26/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD107

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3647.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

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/KG	Q
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
100-51-6	Benzyl alcohol	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	bis(2-Chloroisopropyl)ether	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
65-85-0	Benzoic Acid	89	J
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD107

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3647.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

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/KG	Q
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	460	U
121-14-2	2,4-Dinitrotoluene	460	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenylphenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	920	U
56-55-3	Benzo(a)anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	110	J
117-84-0	Di-n-octylphthalate	460	U
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U
110-86-1	Pyridine	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC: 27SD107

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.05

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3647.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

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/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	460	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68505

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685A

Matrix (soil/water): SOIL Lab Sample ID: 27685.05

Level (low/med): LOW Date Received: 11/19/96

% Solids: 71.6

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.3			P
7440-39-3	Barium	57.8			P
7440-43-9	Cadmium	0.73			P
7440-47-3	Chromium	11.7			P
7439-92-1	Lead	11.1			P
7439-97-6	Mercury	0.05	U		AV
7782-49-2	Selenium	0.58	B		P
7440-22-4	Silver	0.27	U		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD107

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD108

ab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22396.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 20 Date Analyzed: 11/25/96

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	84	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	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.

27SD108

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.01

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22396.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 20 Date Analyzed: 11/25/96

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

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD108

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3612.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 20 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	410	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SD108

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3612.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 20 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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.

27SD108

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.01

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3612.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 20 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	57	J
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		

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68501

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685A

Matrix (soil/water): SOIL Lab Sample ID: 27685.01

Level (low/med): LOW Date Received: 11/19/96

% Solids: 79.5

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	54.8			P
7440-43-9	Cadmium	0.09	B		P
7440-47-3	Chromium	10.1			P
7439-92-1	Lead	6.8			P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	0.38	U		P
7440-22-4	Silver	0.24	U		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD108

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD113

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22392.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 Date Analyzed: 11/25/96

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	61	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	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.

27SD113

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22392.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 Date Analyzed: 11/25/96

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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD113RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22416.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 Date Analyzed: 11/26/96

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	22	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	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.

27SD113RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22416.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 Date Analyzed: 11/26/96

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.

27SD113

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU103.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

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/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	bis(2-Chloroisopropyl)ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD113

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU103.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

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/KG	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	390	U
121-14-2	2,4-Dinitrotoluene	390	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenylphenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	53	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	780	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	
117-84-0	Di-n-octylphthalate	290	J
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U
110-86-1	Pyridine	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD113

b Name: SWL-TULSA Contract: FT.HOOD

ab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU103.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

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/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U

FORM I SV-3

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD113RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK425.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

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/KG	Q
108-95-2	Phenol	390	U
111-44-4	bis(2-Chloroethyl)ether	390	U
95-57-8	2-Chlorophenol	390	U
541-73-1	1,3-Dichlorobenzene	390	U
106-46-7	1,4-Dichlorobenzene	390	U
100-51-6	Benzyl alcohol	390	U
95-50-1	1,2-Dichlorobenzene	390	U
95-48-7	2-Methylphenol	390	U
108-60-1	bis(2-Chloroisopropyl)ether	390	U
106-44-5	4-Methylphenol	390	U
621-64-7	N-Nitroso-di-n-propylamine	390	U
67-72-1	Hexachloroethane	390	U
98-95-3	Nitrobenzene	390	U
78-59-1	Isophorone	390	U
88-75-5	2-Nitrophenol	390	U
105-67-9	2,4-Dimethylphenol	390	U
65-85-0	Benzoic Acid	1900	U
111-91-1	bis(2-Chloroethoxy)methane	390	U
120-83-2	2,4-Dichlorophenol	390	U
120-82-1	1,2,4-Trichlorobenzene	390	U
91-20-3	Naphthalene	390	U
106-47-8	4-Chloroaniline	390	U
87-68-3	Hexachlorobutadiene	390	U
59-50-7	4-Chloro-3-methylphenol	390	U
91-57-6	2-Methylnaphthalene	390	U
77-47-4	Hexachlorocyclopentadiene	390	U
88-06-2	2,4,6-Trichlorophenol	390	U
95-95-4	2,4,5-Trichlorophenol	1900	U
91-58-7	2-Chloronaphthalene	390	U
88-74-4	2-Nitroaniline	1900	U
131-11-3	Dimethylphthalate	390	U
208-96-8	Acenaphthylene	390	U
606-20-2	2,6-Dinitrotoluene	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD113RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK425.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

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/KG	Q
99-09-2	3-Nitroaniline	1900	U
83-32-9	Acenaphthene	390	U
121-14-2	2,4-Dinitrotoluene	390	U
51-28-5	2,4-Dinitrophenol	1900	U
100-02-7	4-Nitrophenol	1900	U
132-64-9	Dibenzofuran	390	U
84-66-2	Diethylphthalate	390	U
7005-72-3	4-Chlorophenyl-phenylether	390	U
86-73-7	Fluorene	390	U
100-01-6	4-Nitroaniline	1900	U
534-52-1	4,6-Dinitro-2-methylphenol	1900	U
86-30-6	N-Nitrosodiphenylamine (1)	390	U
101-55-3	4-Bromophenylphenylether	390	U
118-74-1	Hexachlorobenzene	390	U
87-86-5	Pentachlorophenol	1900	U
85-01-8	Phenanthrene	390	U
120-12-7	Anthracene	390	U
84-74-2	Di-n-butylphthalate	390	U
206-44-0	Fluoranthene	390	U
129-00-0	Pyrene	58	J
85-68-7	Butylbenzylphthalate	390	U
91-94-1	3,3'-Dichlorobenzidine	780	U
56-55-3	Benzo(a)anthracene	390	U
218-01-9	Chrysene	390	U
117-81-7	bis(2-Ethylhexyl)phthalate	440	
117-84-0	Di-n-octylphthalate	210	J
205-99-2	Benzo(b)fluoranthene	390	U
207-08-9	Benzo(k)fluoranthene	390	U
50-32-8	Benzo(a)pyrene	390	U
193-39-5	Indeno(1,2,3-cd)pyrene	390	U
53-70-3	Dibenz(a,h)anthracene	390	U
191-24-2	Benzo(g,h,i)perylene	390	U
110-86-1	Pyridine	390	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD113RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.19RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK425.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 16 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

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/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	390	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68419

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684A

Matrix (soil/water): SOIL Lab Sample ID: 27684.19

Level (low/med): LOW Date Received: 11/19/96

% Solids: 84.2

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	51.7			P
7440-43-9	Cadmium	0.55	B	E	P
7440-47-3	Chromium	8.5		E	P
7439-92-1	Lead	10		E	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	0.36	U		P
7440-22-4	Silver	0.23	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD113

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD114

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.20

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22393.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 Date Analyzed: 11/25/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	73	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	6	J
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD114

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.20

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22393.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 Date Analyzed: 11/25/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD114

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU104.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
100-51-6	Benzyl alcohol	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	bis(2-Chloroisopropyl)ether	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
65-85-0	Benzoic Acid	2200	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD114

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU104.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	460	U
121-14-2	2,4-Dinitrotoluene	460	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenylphenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	920	U
56-55-3	Benzo(a)anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	170	J
117-84-0	Di-n-octylphthalate	68	J
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U
110-86-1	Pyridine	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD114

Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.20

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU104.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 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	460	U

FORM I SV-3

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD114RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.20RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK426.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	460	U
111-44-4	bis(2-Chloroethyl)ether	460	U
95-57-8	2-Chlorophenol	460	U
541-73-1	1,3-Dichlorobenzene	460	U
106-46-7	1,4-Dichlorobenzene	460	U
100-51-6	Benzyl alcohol	460	U
95-50-1	1,2-Dichlorobenzene	460	U
95-48-7	2-Methylphenol	460	U
108-60-1	bis(2-Chloroisopropyl)ether	460	U
106-44-5	4-Methylphenol	460	U
621-64-7	N-Nitroso-di-n-propylamine	460	U
67-72-1	Hexachloroethane	460	U
98-95-3	Nitrobenzene	460	U
78-59-1	Isophorone	460	U
88-75-5	2-Nitrophenol	460	U
105-67-9	2,4-Dimethylphenol	460	U
65-85-0	Benzoic Acid	2200	U
111-91-1	bis(2-Chloroethoxy)methane	460	U
120-83-2	2,4-Dichlorophenol	460	U
120-82-1	1,2,4-Trichlorobenzene	460	U
91-20-3	Naphthalene	460	U
106-47-8	4-Chloroaniline	460	U
87-68-3	Hexachlorobutadiene	460	U
59-50-7	4-Chloro-3-methylphenol	460	U
91-57-6	2-Methylnaphthalene	460	U
77-47-4	Hexachlorocyclopentadiene	460	U
88-06-2	2,4,6-Trichlorophenol	460	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	460	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	460	U
208-96-8	Acenaphthylene	460	U
606-20-2	2,6-Dinitrotoluene	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD114RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.20RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK426.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	460	U
121-14-2	2,4-Dinitrotoluene	460	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	460	U
84-66-2	Diethylphthalate	460	U
7005-72-3	4-Chlorophenyl-phenylether	460	U
86-73-7	Fluorene	460	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	460	U
101-55-3	4-Bromophenylphenylether	460	U
118-74-1	Hexachlorobenzene	460	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	460	U
120-12-7	Anthracene	460	U
84-74-2	Di-n-butylphthalate	460	U
206-44-0	Fluoranthene	460	U
129-00-0	Pyrene	460	U
85-68-7	Butylbenzylphthalate	460	U
91-94-1	3,3'-Dichlorobenzidine	920	U
56-55-3	Benzo(a)anthracene	460	U
218-01-9	Chrysene	460	U
117-81-7	bis(2-Ethylhexyl)phthalate	140	J
117-84-0	Di-n-octylphthalate	49	J
205-99-2	Benzo(b)fluoranthene	460	U
207-08-9	Benzo(k)fluoranthene	460	U
50-32-8	Benzo(a)pyrene	460	U
193-39-5	Indeno(1,2,3-cd)pyrene	460	U
53-70-3	Dibenz(a,h)anthracene	460	U
191-24-2	Benzo(g,h,i)perylene	460	U
110-86-1	Pyridine	460	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD114RE

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.20RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK426.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 28 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 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	460	U

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68420

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684A

Matrix (soil/water): SOIL Lab Sample ID: 27684.20

Level (low/med): LOW Date Received: 11/19/96

% Solids: 72.4

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	6.2			P
7440-39-3	Barium	118			P
7440-43-9	Cadmium	0.23	B	E	P
7440-47-3	Chromium	10.4		E	P
7439-92-1	Lead	6.3		E	P
7439-97-6	Mercury	0.05	U		AV
7782-49-2	Selenium	1.8			P
7440-22-4	Silver	0.26	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD114

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD126

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22374.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 22 Date Analyzed: 11/22/96

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	10	B
67-64-1	ACETONE	86	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	8	
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.
27SD126

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.21

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22374.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 22 Date Analyzed: 11/22/96

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.

27SD126

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU105.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 22 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	bis(2-Chloroisopropyl)ether	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD126

Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU105.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 22 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.8 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	420	U
121-14-2	2,4-Dinitrotoluene	420	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine_(1)	420	U
101-55-3	4-Bromophenylphenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	73	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	420	J
117-84-0	Di-n-octylphthalate	100	J
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U
110-86-1	Pyridine	420	U

FORM I SV-2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD126

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.21

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU105.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 22 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.8 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	420	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD126RE

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.21RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK427.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 22 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.8 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	bis(2-Chloroisopropyl)ether	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	420	U
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD126RE

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.21RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK427.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 22 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.8 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	420	U
121-14-2	2,4-Dinitrotoluene	420	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	420	U
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	420	U
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine_(1)	420	U
101-55-3	4-Bromophenylphenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-butylphthalate	420	U
206-44-0	Fluoranthene	49	J
129-00-0	Pyrene	72	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	330	J
117-84-0	Di-n-octylphthalate	50	J
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U
110-86-1	Pyridine	420	U

FORM I SV-2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD126RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.21RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK427.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 22 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.8 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	420	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68421

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684A

Matrix (soil/water): SOIL Lab Sample ID: 27684.21

Level (low/med): LOW Date Received: 11/19/96

% Solids: 77.9

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	2.9			P
7440-39-3	Barium	33.1			P
7440-43-9	Cadmium	0.55	B	E	P
7440-47-3	Chromium	5.6		E	P
7439-92-1	Lead	13.5		E	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	0.39	U		P
7440-22-4	Silver	0.24	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD126

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD127

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.22

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22375.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 Date Analyzed: 11/22/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	10	B
67-64-1	ACETONE	74	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	5	J
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	77	
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD127

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.22

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22375.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 Date Analyzed: 11/22/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD127

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.22

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU106.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
100-51-6	Benzyl alcohol	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	bis(2-Chloroisopropyl)ether	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
65-85-0	Benzoic Acid	2100	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD127

Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.22

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU106.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	440	U
121-14-2	2,4-Dinitrotoluene	440	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenylphenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	78	J
129-00-0	Pyrene	100	J
85-68-7	Butylbenzylphthalate	110	J
91-94-1	3,3'-Dichlorobenzidine	880	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	65	J
117-81-7	bis(2-Ethylhexyl)phthalate	720	
117-84-0	Di-n-octylphthalate	70	J
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U
110-86-1	Pyridine		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD127

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.22

Sample wt/vol: 30.0 (g/mL) G Lab File ID: JJU106.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/10/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.5 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	440	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD127RE

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.22RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK428.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
100-51-6	Benzyl alcohol	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	bis(2-Chloroisopropyl)ether	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
65-85-0	Benzoic Acid	2100	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD127RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.22RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK428.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.5 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	440	U
121-14-2	2,4-Dinitrotoluene	440	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenylphenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	72	J
129-00-0	Pyrene	100	J
85-68-7	Butylbenzylphthalate	110	J
91-94-1	3,3'-Dichlorobenzidine	880	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	57	J
117-81-7	bis(2-Ethylhexyl)phthalate	560	
117-84-0	Di-n-octylphthalate	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U
110-86-1	Pyridine	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD127RE

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.22RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK428.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.5 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	440	U

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68422

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684A

Matrix (soil/water): SOIL Lab Sample ID: 27684.22

Level (low/med): LOW Date Received: 11/19/96

% Solids: 74.5

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	45.3			P
7440-43-9	Cadmium	1.7		E	P
7440-47-3	Chromium	9.4		E	P
7439-92-1	Lead	33.5		E	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	0.40	U		P
7440-22-4	Silver	0.26	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD127

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD128

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.23

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22376.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 Date Analyzed: 11/22/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	11	B
67-64-1	ACETONE	49	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	7	U
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD128

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.23

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22376.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 Date Analyzed: 11/22/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD128RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.23RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22394.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 Date Analyzed: 11/25/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	80	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	7	U
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD128RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.23RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22394.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 Date Analyzed: 11/25/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD128

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.23

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK539.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
100-51-6	Benzyl alcohol	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	bis(2-Chloroisopropyl)ether	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
65-85-0	Benzoic Acid	64	J
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD128

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.23

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK539.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	440	U
121-14-2	2,4-Dinitrotoluene	440	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	440	U
101-55-3	4-Bromophenylphenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	440	U
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	58	J
129-00-0	Pyrene	52	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	880	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	bis(2-Ethylhexyl)phthalate	660	
117-84-0	Di-n-octylphthalate	310	J
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U
110-86-1	Pyridine	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD128

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.23

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK539.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 25 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	440	U

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68423

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684A

Matrix (soil/water): SOIL Lab Sample ID: 27684.23

Level (low/med): LOW Date Received: 11/19/96

% Solids: 75.3

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.2			P
7440-39-3	Barium	28.4			P
7440-43-9	Cadmium	0.70		E	P
7440-47-3	Chromium	6.7		E	P
7439-92-1	Lead	8.5		E	P
7439-97-6	Mercury	0.04	U		AV
7782-49-2	Selenium	0.40	U		P
7440-22-4	Silver	0.25	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD128

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.47

Sample wt/vol: 4.0 (g/mL) G Lab File ID: K16848.D

Level: (low/med) MED Date Received: 11/23/96

% Moisture: not dec. 38 Date Analyzed: 12/05/96

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	1000	U
74-83-9	BROMOMETHANE	1000	U
75-01-4	VINYL CHLORIDE	1000	U
75-00-3	CHLOROETHANE	1000	U
75-09-2	METHYLENE CHLORIDE	760	JB
67-64-1	ACETONE	1700	
75-35-4	1 1-DICHLOROETHENE	1000	U
75-34-3	1 1-DICHLOROETHANE	1000	U
67-66-3	CHLOROFORM	1000	U
107-06-2	1 2-DICHLOROETHANE	1000	U
78-93-3	2-BUTANONE	1000	U
71-55-6	1 1 1-TRICHLOROETHANE	1000	U
56-23-5	CARBON TETRACHLORIDE	1000	U
75-27-4	BROMODICHLOROMETHANE	1000	U
78-87-5	1 2-DICHLOROPROPANE	1000	U
79-01-6	TRICHLOROETHENE	300	J
124-48-1	DIBROMOCHLOROMETHANE	1000	U
79-00-5	1 1 2-TRICHLOROETHANE	1000	U
71-43-2	BENZENE	210	J
75-25-2	BROMOFORM	1000	U
108-10-1	4-METHYL-2-PENTANONE	1000	U
591-78-6	2-HEXANONE	1000	U
127-18-4	TETRACHLOROETHENE	250	J
108-88-3	TOLUENE	1000	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	1000	U
108-90-7	CHLOROBENZENE	1000	U
100-41-4	ETHYL BENZENE	1700	
100-42-5	STYRENE	1000	U
156-59-2	cis-1 2-DICHLOROETHENE	1000	U
156-60-5	trans-1 2-DICHLOROETHENE	1000	U
13-302-07	m,p-XYLENES	9600	
95-47-6	o-XYLENE	8500	
106-93-4	1 2-DIBROMOETHANE	1000	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	1000	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.47

Sample wt/vol: 4.0 (g/mL) G Lab File ID: K16848.D

Level: (low/med) MED Date Received: 11/23/96

% Moisture: not dec. 38 Date Analyzed: 12/05/96

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	1000	U
75-71-8	DICHLORODIFLUOROMETHANE	1000	U
75-69-4	TRICHLOROFLUOROMETHANE	1000	U
74-95-3	DIBROMOMETHANE	1000	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	1000	U
108-86-1	BROMOBENZENE	1000	U
104-51-8	n-BUTYLBENZENE	10000	
98-06-6	tert-BUTYLBENZENE	1000	U
135-98-8	sec-BUTYLBENZENE	1000	U
95-49-8	2-CHLOROTOLUENE	1000	U
106-43-4	4-CHLOROTOLUENE	1000	U
95-50-1	1 2-DICHLOROBENZENE	1000	U
541-73-1	1 3-DICHLOROBENZENE	1000	U
106-46-7	1 4-DICHLOROBENZENE	1000	U
142-28-9	1 3-DICHLOROPROPANE	1000	U
594-20-7	2 2-DICHLOROPROPANE	1000	U
563-58-6	1 1-DICHLOROPROPENE	1000	U
87-68-3	HEXACHLOROBUTADIENE	1000	U
98-82-8	ISOPROPYLBENZENE	1000	U
99-87-6	p-ISOPROPYLTOLUENE	1000	U
91-20-3	NAPHTHALENE	1000	U
103-65-1	n-PROPYLBENZENE	4700	
87-61-6	1 2 3-TRICHLOROBENZENE	1000	U
120-82-1	1 2 4-TRICHLOROBENZENE	1000	U
95-63-6	1 2 4-TRIMETHYLBENZENE	41000	E
108-67-8	1 3 5-TRIMETHYLBENZENE	1000	U
74-97-5	BROMOCHLOROMETHANE	1000	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.47

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000527.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 38 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
100-51-6	Benzyl alcohol	530	U
95-50-1	1,2-Dichlorobenzene	530	U
95-48-7	2-Methylphenol	530	U
108-60-1	bis(2-Chloroisopropyl)ether	530	U
106-44-5	4-Methylphenol	270	J
621-64-7	N-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
65-85-0	Benzoic Acid	2600	U
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	3100	
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	6200	
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	2600	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.47

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000527.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 38 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	530	U
121-14-2	2,4-Dinitrotoluene	530	U
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	540	
84-66-2	Diethylphthalate	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
86-73-7	Fluorene	260	J
100-01-6	4-Nitroaniline	2600	U
534-52-1	4,6-Dinitro-2-methylphenol	2600	U
86-30-6	N-Nitrosodiphenylamine (1)	530	U
101-55-3	4-Bromophenylphenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	530	U
120-12-7	Anthracene	530	U
84-74-2	Di-n-butylphthalate	530	U
206-44-0	Fluoranthene	530	U
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	530	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	530	U
218-01-9	Chrysene	530	U
117-81-7	bis(2-Ethylhexyl)phthalate	2000	B
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo(b)fluoranthene	530	U
207-08-9	Benzo(k)fluoranthene	530	U
50-32-8	Benzo(a)pyrene	530	U
193-39-5	Indeno(1,2,3-cd)pyrene	530	U
53-70-3	Dibenz(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	530	U
110-86-1	Pyridine		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.47

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00527.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 38 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	530	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD129RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.47RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000549.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 38 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
100-51-6	Benzyl alcohol	530	U
95-50-1	1,2-Dichlorobenzene	530	U
95-48-7	2-Methylphenol	530	U
108-60-1	bis(2-Chloroisopropyl)ether	530	U
106-44-5	4-Methylphenol	260	J
621-64-7	N-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
65-85-0	Benzoic Acid	2600	U
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	3300	
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	7400	
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	2600	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD129RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.47RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00549.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 38 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	530	U
121-14-2	2,4-Dinitrotoluene	530	U
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	440	J
84-66-2	Diethylphthalate	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
86-73-7	Fluorene	230	J
100-01-6	4-Nitroaniline	2600	U
534-52-1	4,6-Dinitro-2-methylphenol	2600	U
86-30-6	N-Nitrosodiphenylamine_(1)	530	U
101-55-3	4-Bromophenylphenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	63	J
120-12-7	Anthracene	530	U
84-74-2	Di-n-butylphthalate	56	J
206-44-0	Fluoranthene	530	U
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	530	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	530	U
218-01-9	Chrysene	530	U
117-81-7	bis(2-Ethylhexyl)phthalate	2300	B
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo(b)fluoranthene	530	U
207-08-9	Benzo(k)fluoranthene	530	U
50-32-8	Benzo(a)pyrene	530	U
193-39-5	Indeno(1,2,3-cd)pyrene	530	U
53-70-3	Dibenz(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	530	U
110-86-1	Pyridine	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD129RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.47RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00549.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 38 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	530	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75847

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 27758A

Matrix (soil/water): SOIL Lab Sample ID: 27758.47

Level (low/med): LOW Date Received: 11/23/96

% Solids: 62.2

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	248			P
7440-43-9	Cadmium	17.6			P
7440-47-3	Chromium	13.3			P
7439-92-1	Lead	33.9			P
7439-97-6	Mercury	0.03	U		AV
7782-49-2	Selenium	0.52	B		P
7440-22-4	Silver	0.19	U		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID:

27SD129

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD12330

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22506.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 Date Analyzed: 12/03/96

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

dlk 12/30/96

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	8	U
67-64-1	ACETONE	390	EB
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	91	
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	13	
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	33	
95-47-6	o-XYLENE	39	
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD12330

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22506.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 Date Analyzed: 12/03/96

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

ALK 12/30/96

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
96-18-4	1 2 3-TRICHLOROPROPANE	8	U
75-71-8	DICHLORODIFLUOROMETHANE	8	U
75-69-4	TRICHLOROFLUOROMETHANE	8	U
74-95-3	DIBROMOMETHANE	8	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	8	U
108-86-1	BROMOBENZENE	8	U
104-51-8	n-BUTYLBENZENE	8	U
98-06-6	tert-BUTYLBENZENE	8	U
135-98-8	sec-BUTYLBENZENE	8	U
95-49-8	2-CHLOROTOLUENE	8	U
106-43-4	4-CHLOROTOLUENE	8	U
95-50-1	1 2-DICHLOROBENZENE	8	U
541-73-1	1 3-DICHLOROBENZENE	8	U
106-46-7	1 4-DICHLOROBENZENE	8	U
142-28-9	1 3-DICHLOROPROPANE	8	U
594-20-7	2 2-DICHLOROPROPANE	8	U
563-58-6	1 1-DICHLOROPROPENE	8	U
87-68-3	HEXACHLOROBUTADIENE	8	U
98-82-8	ISOPROPYLBENZENE	11	
99-87-6	p-ISOPROPYLTOLUENE	8	U
91-20-3	NAPHTHALENE	60	
103-65-1	n-PROPYLBENZENE	19	
87-61-6	1 2 3-TRICHLOROBENZENE	8	U
120-82-1	1 2 4-TRICHLOROBENZENE	8	U
95-63-6	1 2 4-TRIMETHYLBENZENE	88	
108-67-8	1 3 5-TRIMETHYLBENZENE	78	
74-97-5	BROMOCHLOROMETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD130RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22509.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 Date Analyzed: 12/03/96

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

dlk 12/20/96

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	CHLOROMETHANE	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	8	U
67-64-1	ACETONE	64	B
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	33	
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	8	U
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	14	
95-47-6	o-XYLENE	9	
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD123RE 20

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22509.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 Date Analyzed: 12/03/96

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

dck 12/30/

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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD130

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00528.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
100-51-6	Benzyl alcohol	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	bis(2-Chloroisopropyl)ether	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-di-n-propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
65-85-0	Benzoic Acid	2500	U
111-91-1	bis(2-Chloroethoxy)methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	57	J
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-methylphenol	520	U
91-57-6	2-Methylnaphthalene	98	J
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	2500	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	2500	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD130

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00528.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2500	U
83-32-9	Acenaphthene	520	U
121-14-2	2,4-Dinitrotoluene	520	U
51-28-5	2,4-Dinitrophenol	2500	U
100-02-7	4-Nitrophenol	2500	U
132-64-9	Dibenzofuran	520	U
84-66-2	Diethylphthalate	520	U
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-01-6	4-Nitroaniline	2500	U
534-52-1	4,6-Dinitro-2-methylphenol	2500	U
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenylphenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	2500	U
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
84-74-2	Di-n-butylphthalate	150	J
206-44-0	Fluoranthene	520	U
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
56-55-3	Benzo(a)anthracene	520	U
218-01-9	Chrysene	520	U
117-81-7	bis(2-Ethylhexyl)phthalate	3900	B
117-84-0	Di-n-octylphthalate	970	
205-99-2	Benzo(b)fluoranthene	520	U
207-08-9	Benzo(k)fluoranthene	520	U
50-32-8	Benzo(a)pyrene	520	U
193-39-5	Indeno(1,2,3-cd)pyrene	520	U
53-70-3	Dibenz(a,h)anthracene	520	U
191-24-2	Benzo(g,h,i)perylene	520	U
110-86-1	Pyridine	520	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD130

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000528.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 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	520	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD130RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00550.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	520	U
111-44-4	bis(2-Chloroethyl)ether	520	U
95-57-8	2-Chlorophenol	520	U
541-73-1	1,3-Dichlorobenzene	520	U
106-46-7	1,4-Dichlorobenzene	520	U
100-51-6	Benzyl alcohol	520	U
95-50-1	1,2-Dichlorobenzene	520	U
95-48-7	2-Methylphenol	520	U
108-60-1	bis(2-Chloroisopropyl)ether	520	U
106-44-5	4-Methylphenol	520	U
621-64-7	N-Nitroso-di-n-propylamine	520	U
67-72-1	Hexachloroethane	520	U
98-95-3	Nitrobenzene	520	U
78-59-1	Isophorone	520	U
88-75-5	2-Nitrophenol	520	U
105-67-9	2,4-Dimethylphenol	520	U
65-85-0	Benzoic Acid	2500	U
111-91-1	bis(2-Chloroethoxy)methane	520	U
120-83-2	2,4-Dichlorophenol	520	U
120-82-1	1,2,4-Trichlorobenzene	520	U
91-20-3	Naphthalene	520	U
106-47-8	4-Chloroaniline	520	U
87-68-3	Hexachlorobutadiene	520	U
59-50-7	4-Chloro-3-methylphenol	520	U
91-57-6	2-Methylnaphthalene	520	U
77-47-4	Hexachlorocyclopentadiene	520	U
88-06-2	2,4,6-Trichlorophenol	520	U
95-95-4	2,4,5-Trichlorophenol	2500	U
91-58-7	2-Chloronaphthalene	520	U
88-74-4	2-Nitroaniline	2500	U
131-11-3	Dimethylphthalate	520	U
208-96-8	Acenaphthylene	520	U
606-20-2	2,6-Dinitrotoluene	520	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD130RE

Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00550.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2500	U
83-32-9	Acenaphthene	520	U
121-14-2	2,4-Dinitrotoluene	520	U
51-28-5	2,4-Dinitrophenol	2500	U
100-02-7	4-Nitrophenol	2500	U
132-64-9	Dibenzofuran	520	U
84-66-2	Diethylphthalate	520	U
7005-72-3	4-Chlorophenyl-phenylether	520	U
86-73-7	Fluorene	520	U
100-01-6	4-Nitroaniline	2500	U
534-52-1	4,6-Dinitro-2-methylphenol	2500	U
86-30-6	N-Nitrosodiphenylamine (1)	520	U
101-55-3	4-Bromophenylphenylether	520	U
118-74-1	Hexachlorobenzene	520	U
87-86-5	Pentachlorophenol	2500	U
85-01-8	Phenanthrene	520	U
120-12-7	Anthracene	520	U
84-74-2	Di-n-butylphthalate	220	J
206-44-0	Fluoranthene	520	U
129-00-0	Pyrene	230	J
85-68-7	Butylbenzylphthalate	520	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
56-55-3	Benzo(a)anthracene	520	U
218-01-9	Chrysene	520	U
117-81-7	bis(2-Ethylhexyl)phthalate	4600	B
117-84-0	Di-n-octylphthalate	890	
205-99-2	Benzo(b)fluoranthene	520	U
207-08-9	Benzo(k)fluoranthene	520	U
50-32-8	Benzo(a)pyrene	520	U
193-39-5	Indeno(1,2,3-cd)pyrene	520	U
53-70-3	Dibenz(a,h)anthracene	520	U
191-24-2	Benzo(g,h,i)perylene	520	U
110-86-1	Pyridine	520	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD130RE

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.48RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00550.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 37 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 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	520	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75848

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 27758A

Matrix (soil/water): SOIL Lab Sample ID: 27758.48

Level (low/med): LOW Date Received: 11/23/96

% Solids: 63.3

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.3			P
7440-39-3	Barium	119			P
7440-43-9	Cadmium	5.9			P
7440-47-3	Chromium	16.8			P
7439-92-1	Lead	24.7			P
7439-97-6	Mercury	0.03	U		AV
7782-49-2	Selenium	0.44	U		P
7440-22-4	Silver	0.22	B		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID:

27SD123 30 12/30 96

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD131

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.24

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22377.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 32 Date Analyzed: 11/22/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	12	B
67-64-1	ACETONE	97	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	5	J
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD131

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.24

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22377.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 32 Date Analyzed: 11/22/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD131

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.24

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK430.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 32 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

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/KG	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
100-51-6	Benzyl alcohol	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	bis(2-Chloroisopropyl)ether	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
65-85-0	Benzoic Acid	2400	U
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	120	J
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	2400	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethylphthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD131

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.24

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK430.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 32 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

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/KG	Q
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	480	U
121-14-2	2,4-Dinitrotoluene	480	U
51-28-5	2,4-Dinitrophenol	2400	U
100-02-7	4-Nitrophenol	2400	U
132-64-9	Dibenzofuran	480	U
84-66-2	Diethylphthalate	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	480	U
100-01-6	4-Nitroaniline	2400	U
534-52-1	4,6-Dinitro-2-methylphenol	2400	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenylphenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	480	U
120-12-7	Anthracene	480	U
84-74-2	Di-n-butylphthalate	170	J
206-44-0	Fluoranthene	480	U
129-00-0	Pyrene	480	U
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	970	U
56-55-3	Benzo(a)anthracene	480	U
218-01-9	Chrysene	480	U
117-81-7	bis(2-Ethylhexyl)phthalate	700	
117-84-0	Di-n-octylphthalate	170	J
205-99-2	Benzo(b)fluoranthene	480	U
207-08-9	Benzo(k)fluoranthene	480	U
50-32-8	Benzo(a)pyrene	480	U
193-39-5	Indeno(1,2,3-cd)pyrene	480	U
53-70-3	Dibenz(a,h)anthracene	480	U
191-24-2	Benzo(g,h,i)perylene	480	U
110-86-1	Pyridine	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD131

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.24

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK430.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 32 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/11/96

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/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	480	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD131RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.24RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK540.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 32 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
108-95-2	Phenol	480	U
111-44-4	bis(2-Chloroethyl)ether	480	U
95-57-8	2-Chlorophenol	480	U
541-73-1	1,3-Dichlorobenzene	480	U
106-46-7	1,4-Dichlorobenzene	480	U
100-51-6	Benzyl alcohol	480	U
95-50-1	1,2-Dichlorobenzene	480	U
95-48-7	2-Methylphenol	480	U
108-60-1	bis(2-Chloroisopropyl)ether	480	U
106-44-5	4-Methylphenol	480	U
621-64-7	N-Nitroso-di-n-propylamine	480	U
67-72-1	Hexachloroethane	480	U
98-95-3	Nitrobenzene	480	U
78-59-1	Isophorone	480	U
88-75-5	2-Nitrophenol	480	U
105-67-9	2,4-Dimethylphenol	480	U
65-85-0	Benzoic Acid	67	J
111-91-1	bis(2-Chloroethoxy)methane	480	U
120-83-2	2,4-Dichlorophenol	480	U
120-82-1	1,2,4-Trichlorobenzene	480	U
91-20-3	Naphthalene	480	U
106-47-8	4-Chloroaniline	480	U
87-68-3	Hexachlorobutadiene	480	U
59-50-7	4-Chloro-3-methylphenol	480	U
91-57-6	2-Methylnaphthalene	120	J
77-47-4	Hexachlorocyclopentadiene	480	U
88-06-2	2,4,6-Trichlorophenol	480	U
95-95-4	2,4,5-Trichlorophenol	2400	U
91-58-7	2-Chloronaphthalene	480	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethylphthalate	480	U
208-96-8	Acenaphthylene	480	U
606-20-2	2,6-Dinitrotoluene	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD131RE

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.24RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK540.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 32 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	480	U
121-14-2	2,4-Dinitrotoluene	480	U
51-28-5	2,4-Dinitrophenol	2400	U
100-02-7	4-Nitrophenol	2400	U
132-64-9	Dibenzofuran	480	U
84-66-2	Diethylphthalate	480	U
7005-72-3	4-Chlorophenyl-phenylether	480	U
86-73-7	Fluorene	480	U
100-01-6	4-Nitroaniline	2400	U
534-52-1	4,6-Dinitro-2-methylphenol	2400	U
86-30-6	N-Nitrosodiphenylamine (1)	480	U
101-55-3	4-Bromophenylphenylether	480	U
118-74-1	Hexachlorobenzene	480	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	480	U
120-12-7	Anthracene	480	U
84-74-2	Di-n-butylphthalate	160	J
206-44-0	Fluoranthene	480	U
129-00-0	Pyrene	480	U
85-68-7	Butylbenzylphthalate	480	U
91-94-1	3,3'-Dichlorobenzidine	970	U
56-55-3	Benzo(a)anthracene	480	U
218-01-9	Chrysene	480	U
117-81-7	bis(2-Ethylhexyl)phthalate	560	
117-84-0	Di-n-octylphthalate	120	J
205-99-2	Benzo(b)fluoranthene	480	U
207-08-9	Benzo(k)fluoranthene	480	U
50-32-8	Benzo(a)pyrene	480	U
193-39-5	Indeno(1,2,3-cd)pyrene	480	U
53-70-3	Dibenz(a,h)anthracene	480	U
191-24-2	Benzo(g,h,i)perylene	480	U
110-86-1	Pyridine	480	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD131RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.24RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK540.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 32 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	480	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68424

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC SDG No.: 27684A
Lab Code: SWOK Case No.: 27684 SAS No.: Lab Sample ID: 27684.24
Matrix (soil/water): SOIL
Level (low/med): LOW
% Solids: 68.5 Date Received: 11/19/96

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.7			P
7440-39-3	Barium	59.3			P
7440-43-9	Cadmium	1.7		E	P
7440-47-3	Chromium	9.8		E	P
7439-92-1	Lead	13.2		E	P
7439-97-6	Mercury	0.05	U		AV
7782-49-2	Selenium	0.44	U		P
7440-22-4	Silver	0.28	U		P

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

Comments:
CLIENT_ID_=_27SD131

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD132

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22395.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 Date Analyzed: 11/25/96

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	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	8	U
67-64-1	ACETONE	37	B
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	8	U
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	8	U
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	8	U
95-47-6	o-XYLENE	8	U
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD132

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22395.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 Date Analyzed: 11/25/96

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	8	U
75-71-8	DICHLORODIFLUOROMETHANE	8	U
75-69-4	TRICHLOROFLUOROMETHANE	8	U
74-95-3	DIBROMOMETHANE	8	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	8	U
108-86-1	BROMOBENZENE	8	U
104-51-8	n-BUTYLBENZENE	8	U
98-06-6	tert-BUTYLBENZENE	8	U
135-98-8	sec-BUTYLBENZENE	8	U
95-49-8	2-CHLOROTOLUENE	8	U
106-43-4	4-CHLOROTOLUENE	8	U
95-50-1	1 2-DICHLOROBENZENE	8	U
541-73-1	1 3-DICHLOROBENZENE	8	U
106-46-7	1 4-DICHLOROBENZENE	8	U
142-28-9	1 3-DICHLOROPROPANE	8	U
594-20-7	2 2-DICHLOROPROPANE	8	U
563-58-6	1 1-DICHLOROPROPENE	8	U
87-68-3	HEXACHLOROBUTADIENE	8	U
98-82-8	ISOPROPYLBENZENE	8	U
99-87-6	p-ISOPROPYLTOLUENE	8	U
91-20-3	NAPHTHALENE	8	U
103-65-1	n-PROPYLBENZENE	8	U
87-61-6	1 2 3-TRICHLOROBENZENE	8	U
120-82-1	1 2 4-TRICHLOROBENZENE	8	U
95-63-6	1 2 4-TRIMETHYLBENZENE	8	U
108-67-8	1 3 5-TRIMETHYLBENZENE	8	U
74-97-5	BROMOCHLOROMETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD132RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22417.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 Date Analyzed: 11/26/96

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	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	8	U
67-64-1	ACETONE	15	B
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	5	J
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	8	U
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	8	U
95-47-6	o-XYLENE	8	U
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD132RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22417.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 Date Analyzed: 11/26/96

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	8	U
75-71-8	DICHLORODIFLUOROMETHANE	8	U
75-69-4	TRICHLOROFLUOROMETHANE	8	U
74-95-3	DIBROMOMETHANE	8	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	8	U
108-86-1	BROMOBENZENE	8	U
104-51-8	n-BUTYLBENZENE	8	U
98-06-6	tert-BUTYLBENZENE	8	U
135-98-8	sec-BUTYLBENZENE	8	U
95-49-8	2-CHLOROTOLUENE	8	U
106-43-4	4-CHLOROTOLUENE	8	U
95-50-1	1 2-DICHLOROBENZENE	8	U
541-73-1	1 3-DICHLOROBENZENE	8	U
106-46-7	1 4-DICHLOROBENZENE	8	U
142-28-9	1 3-DICHLOROPROPANE	8	U
594-20-7	2 2-DICHLOROPROPANE	8	U
563-58-6	1 1-DICHLOROPROPENE	8	U
87-68-3	HEXACHLOROBUTADIENE	8	U
98-82-8	ISOPROPYLBENZENE	8	U
99-87-6	p-ISOPROPYLTOLUENE	10	
91-20-3	NAPHTHALENE	8	U
103-65-1	n-PROPYLBENZENE	8	U
87-61-6	1 2 3-TRICHLOROBENZENE	8	U
120-82-1	1 2 4-TRICHLOROBENZENE	8	U
95-63-6	1 2 4-TRIMETHYLBENZENE	8	U
108-67-8	1 3 5-TRIMETHYLBENZENE	8	U
74-97-5	BROMOCHLOROMETHANE	8	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD132

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK541.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	bis(2-Chloroisopropyl)ether	500	U
106-44-5	4-Methylphenol	500	U
621-64-7	N-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
65-85-0	Benzoic Acid	53	J
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	2400	U
95-95-4	2,4,5-Trichlorophenol	500	U
91-58-7	2-Chloronaphthalene	2400	U
88-74-4	2-Nitroaniline	500	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD132

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK541.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	500	U
121-14-2	2,4-Dinitrotoluene	500	U
51-28-5	2,4-Dinitrophenol	2400	U
100-02-7	4-Nitrophenol	2400	U
132-64-9	Dibenzofuran	500	U
84-66-2	Diethylphthalate	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
86-73-7	Fluorene	500	U
100-01-6	4-Nitroaniline	2400	U
534-52-1	4,6-Dinitro-2-methylphenol	2400	U
86-30-6	N-Nitrosodiphenylamine_(1)	500	U
101-55-3	4-Bromophenylphenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	500	U
206-44-0	Fluoranthene	500	U
129-00-0	Pyrene	93	J
85-68-7	Butylbenzylphthalate	64	J
91-94-1	3,3'-Dichlorobenzidine	1000	U
56-55-3	Benzo(a)anthracene	500	U
218-01-9	Chrysene	500	U
117-81-7	bis(2-Ethylhexyl)phthalate	950	
117-84-0	Di-n-octylphthalate	500	U
205-99-2	Benzo(b)fluoranthene	500	U
207-08-9	Benzo(k)fluoranthene	500	U
50-32-8	Benzo(a)pyrene	500	U
193-39-5	Indeno(1,2,3-cd)pyrene	500	U
53-70-3	Dibenz(a,h)anthracene	500	U
191-24-2	Benzo(g,h,i)perylene	500	U
110-86-1	Pyridine	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD132

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK541.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	500	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD132RE

b Name: SWL-TULSA Contract: FT.HOOD

ab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK542.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
108-95-2	Phenol	500	U
111-44-4	bis(2-Chloroethyl)ether	500	U
95-57-8	2-Chlorophenol	500	U
541-73-1	1,3-Dichlorobenzene	500	U
106-46-7	1,4-Dichlorobenzene	500	U
100-51-6	Benzyl alcohol	500	U
95-50-1	1,2-Dichlorobenzene	500	U
95-48-7	2-Methylphenol	500	U
108-60-1	bis(2-Chloroisopropyl)ether	500	U
106-44-5	4-Methylphenol	500	U
621-64-7	N-Nitroso-di-n-propylamine	500	U
67-72-1	Hexachloroethane	500	U
98-95-3	Nitrobenzene	500	U
78-59-1	Isophorone	500	U
88-75-5	2-Nitrophenol	500	U
105-67-9	2,4-Dimethylphenol	500	U
65-85-0	Benzoic Acid	58	J
111-91-1	bis(2-Chloroethoxy)methane	500	U
120-83-2	2,4-Dichlorophenol	500	U
120-82-1	1,2,4-Trichlorobenzene	500	U
91-20-3	Naphthalene	500	U
106-47-8	4-Chloroaniline	500	U
87-68-3	Hexachlorobutadiene	500	U
59-50-7	4-Chloro-3-methylphenol	500	U
91-57-6	2-Methylnaphthalene	500	U
77-47-4	Hexachlorocyclopentadiene	500	U
88-06-2	2,4,6-Trichlorophenol	500	U
95-95-4	2,4,5-Trichlorophenol	2400	U
91-58-7	2-Chloronaphthalene	500	U
88-74-4	2-Nitroaniline	2400	U
131-11-3	Dimethylphthalate	500	U
208-96-8	Acenaphthylene	500	U
606-20-2	2,6-Dinitrotoluene	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD132RE

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK542.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
99-09-2	3-Nitroaniline	2400	U
83-32-9	Acenaphthene	500	U
121-14-2	2,4-Dinitrotoluene	500	U
51-28-5	2,4-Dinitrophenol	2400	U
100-02-7	4-Nitrophenol	2400	U
132-64-9	Dibenzofuran	500	U
84-66-2	Diethylphthalate	500	U
7005-72-3	4-Chlorophenyl-phenylether	500	U
86-73-7	Fluorene	500	U
100-01-6	4-Nitroaniline	2400	U
534-52-1	4,6-Dinitro-2-methylphenol	2400	U
86-30-6	N-Nitrosodiphenylamine (1)	500	U
101-55-3	4-Bromophenylphenylether	500	U
118-74-1	Hexachlorobenzene	500	U
87-86-5	Pentachlorophenol	2400	U
85-01-8	Phenanthrene	500	U
120-12-7	Anthracene	500	U
84-74-2	Di-n-butylphthalate	500	U
206-44-0	Fluoranthene	52	J
129-00-0	Pyrene	86	J
85-68-7	Butylbenzylphthalate	500	U
91-94-1	3,3'-Dichlorobenzidine	1000	U
56-55-3	Benzo(a)anthracene	500	U
218-01-9	Chrysene	53	J
117-81-7	bis(2-Ethylhexyl)phthalate	1100	
117-84-0	Di-n-octylphthalate	75	J
205-99-2	Benzo(b)fluoranthene	500	U
207-08-9	Benzo(k)fluoranthene	500	U
50-32-8	Benzo(a)pyrene	500	U
193-39-5	Indeno(1,2,3-cd)pyrene	500	U
53-70-3	Dibenz(a,h)anthracene	500	U
191-24-2	Benzo(g,h,i)perylene	500	U
110-86-1	Pyridine	500	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD132RE

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) SOIL Lab Sample ID: 27684.25RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: FFK542.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 34 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/17/96

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/KG	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	500	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68425

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684A

Matrix (soil/water): SOIL Lab Sample ID: 27684.25

Level (low/med): LOW Date Received: 11/19/96

% Solids: 65.8

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.2			P
7440-39-3	Barium	54.6			P
7440-43-9	Cadmium	7.5		E	P
7440-47-3	Chromium	25.4		E	P
7439-92-1	Lead	31.2		E	P
7439-97-6	Mercury	0.05	U		AV
7782-49-2	Selenium	0.50	B		P
7440-22-4	Silver	0.29	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD132

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD137

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22427.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 Date Analyzed: 11/26/96

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	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	8	U
67-64-1	ACETONE	8	U
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	8	U
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	8	U
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	8	U
95-47-6	o-XYLENE	8	U
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD137

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.19

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22427.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 Date Analyzed: 11/26/96

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	8	U
75-71-8	DICHLORODIFLUOROMETHANE	8	U
75-69-4	TRICHLOROFLUOROMETHANE	8	U
74-95-3	DIBROMOMETHANE	8	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	8	U
108-86-1	BROMOBENZENE	8	U
104-51-8	n-BUTYLBENZENE	8	U
98-06-6	tert-BUTYLBENZENE	8	U
135-98-8	sec-BUTYLBENZENE	8	U
95-49-8	2-CHLOROTOLUENE	8	U
106-43-4	4-CHLOROTOLUENE	8	U
95-50-1	1 2-DICHLOROBENZENE	8	U
541-73-1	1 3-DICHLOROBENZENE	8	U
106-46-7	1 4-DICHLOROBENZENE	8	U
142-28-9	1 3-DICHLOROPROPANE	8	U
594-20-7	2 2-DICHLOROPROPANE	8	U
563-58-6	1 1-DICHLOROPROPENE	8	U
87-68-3	HEXACHLOROBUTADIENE	8	U
98-82-8	ISOPROPYLBENZENE	8	U
99-87-6	p-ISOPROPYLTOLUENE	8	U
91-20-3	NAPHTHALENE	8	U
103-65-1	n-PROPYLBENZENE	8	U
87-61-6	1 2 3-TRICHLOROBENZENE	8	U
120-82-1	1 2 4-TRICHLOROBENZENE	8	U
95-63-6	1 2 4-TRIMETHYLBENZENE	8	U
108-67-8	1 3 5-TRIMETHYLBENZENE	8	U
74-97-5	BROMOCHLOROMETHANE	8	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD137RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.19RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22447.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 Date Analyzed: 11/27/96

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	8	U
74-83-9	BROMOMETHANE	8	U
75-01-4	VINYL CHLORIDE	8	U
75-00-3	CHLOROETHANE	8	U
75-09-2	METHYLENE CHLORIDE	10	
67-64-1	ACETONE	8	U
75-35-4	1 1-DICHLOROETHENE	8	U
75-34-3	1 1-DICHLOROETHANE	8	U
67-66-3	CHLOROFORM	8	U
107-06-2	1 2-DICHLOROETHANE	8	U
78-93-3	2-BUTANONE	8	U
71-55-6	1 1 1-TRICHLOROETHANE	8	U
56-23-5	CARBON TETRACHLORIDE	8	U
75-27-4	BROMODICHLOROMETHANE	8	U
78-87-5	1 2-DICHLOROPROPANE	8	U
79-01-6	TRICHLOROETHENE	8	U
124-48-1	DIBROMOCHLOROMETHANE	8	U
79-00-5	1 1 2-TRICHLOROETHANE	8	U
71-43-2	BENZENE	8	U
75-25-2	BROMOFORM	8	U
108-10-1	4-METHYL-2-PENTANONE	8	U
591-78-6	2-HEXANONE	8	U
127-18-4	TETRACHLOROETHENE	8	U
108-88-3	TOLUENE	8	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	8	U
108-90-7	CHLOROBENZENE	8	U
100-41-4	ETHYL BENZENE	8	U
100-42-5	STYRENE	8	U
156-59-2	cis-1 2-DICHLOROETHENE	8	U
156-60-5	trans-1 2-DICHLOROETHENE	8	U
13-302-07	m,p-XYLENES	8	U
95-47-6	o-XYLENE	8	U
106-93-4	1 2-DIBROMOETHANE	8	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	8	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD137RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.19RA

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22447.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 Date Analyzed: 11/27/96

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	8	U
75-71-8	DICHLORODIFLUOROMETHANE	8	U
75-69-4	TRICHLOROFLUOROMETHANE	8	U
74-95-3	DIBROMOMETHANE	8	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	8	U
108-86-1	BROMOBENZENE	8	U
104-51-8	n-BUTYLBENZENE	8	U
98-06-6	tert-BUTYLBENZENE	8	U
135-98-8	sec-BUTYLBENZENE	8	U
95-49-8	2-CHLOROTOLUENE	8	U
106-43-4	4-CHLOROTOLUENE	8	U
95-50-1	1 2-DICHLOROBENZENE	8	U
541-73-1	1 3-DICHLOROBENZENE	8	U
106-46-7	1 4-DICHLOROBENZENE	8	U
142-28-9	1 3-DICHLOROPROPANE	8	U
594-20-7	2 2-DICHLOROPROPANE	8	U
563-58-6	1 1-DICHLOROPROPENE	8	U
87-68-3	HEXACHLOROBUTADIENE	8	U
98-82-8	ISOPROPYLBENZENE	8	U
99-87-6	p-ISOPROPYLTOLUENE	8	U
91-20-3	NAPHTHALENE	8	U
103-65-1	n-PROPYLBENZENE	8	U
87-61-6	1 2 3-TRICHLOROBENZENE	8	U
120-82-1	1 2 4-TRICHLOROBENZENE	8	U
95-63-6	1 2 4-TRIMETHYLBENZENE	8	U
108-67-8	1 3 5-TRIMETHYLBENZENE	8	U
74-97-5	BROMOCHLOROMETHANE	8	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC: 27SD137

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3649.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	530	U
111-44-4	bis(2-Chloroethyl)ether	530	U
95-57-8	2-Chlorophenol	530	U
541-73-1	1,3-Dichlorobenzene	530	U
106-46-7	1,4-Dichlorobenzene	530	U
100-51-6	Benzyl alcohol	530	U
95-50-1	1,2-Dichlorobenzene	530	U
95-48-7	2-Methylphenol	530	U
108-60-1	bis(2-Chloroisopropyl)ether	530	U
106-44-5	4-Methylphenol	530	U
621-64-7	N-Nitroso-di-n-propylamine	530	U
67-72-1	Hexachloroethane	530	U
98-95-3	Nitrobenzene	530	U
78-59-1	Isophorone	530	U
88-75-5	2-Nitrophenol	530	U
105-67-9	2,4-Dimethylphenol	530	U
65-85-0	Benzoic Acid	340	J
111-91-1	bis(2-Chloroethoxy)methane	530	U
120-83-2	2,4-Dichlorophenol	530	U
120-82-1	1,2,4-Trichlorobenzene	530	U
91-20-3	Naphthalene	530	U
106-47-8	4-Chloroaniline	530	U
87-68-3	Hexachlorobutadiene	530	U
59-50-7	4-Chloro-3-methylphenol	530	U
91-57-6	2-Methylnaphthalene	530	U
77-47-4	Hexachlorocyclopentadiene	530	U
88-06-2	2,4,6-Trichlorophenol	530	U
95-95-4	2,4,5-Trichlorophenol	2600	U
91-58-7	2-Chloronaphthalene	530	U
88-74-4	2-Nitroaniline	2600	U
131-11-3	Dimethylphthalate	530	U
208-96-8	Acenaphthylene	530	U
606-20-2	2,6-Dinitrotoluene	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD137

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3649.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2600	U
83-32-9	Acenaphthene	530	U
121-14-2	2,4-Dinitrotoluene	530	U
51-28-5	2,4-Dinitrophenol	2600	U
100-02-7	4-Nitrophenol	2600	U
132-64-9	Dibenzofuran	530	U
84-66-2	Diethylphthalate	530	U
7005-72-3	4-Chlorophenyl-phenylether	530	U
86-73-7	Fluorene	530	U
100-01-6	4-Nitroaniline	2600	U
534-52-1	4,6-Dinitro-2-methylphenol	2600	U
86-30-6	N-Nitrosodiphenylamine_(1)	530	U
101-55-3	4-Bromophenylphenylether	530	U
118-74-1	Hexachlorobenzene	530	U
87-86-5	Pentachlorophenol	2600	U
85-01-8	Phenanthrene	530	U
120-12-7	Anthracene	530	U
84-74-2	Di-n-butylphthalate	530	U
206-44-0	Fluoranthene	140	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	530	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	530	U
218-01-9	Chrysene	530	U
117-81-7	bis(2-Ethylhexyl)phthalate	1200	
117-84-0	Di-n-octylphthalate	530	U
205-99-2	Benzo(b)fluoranthene	530	U
207-08-9	Benzo(k)fluoranthene	530	U
50-32-8	Benzo(a)pyrene	530	U
193-39-5	Indeno(1,2,3-cd)pyrene	530	U
53-70-3	Dibenz(a,h)anthracene	530	U
191-24-2	Benzo(g,h,i)perylene	60	J
110-86-1	Pyridine	530	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC: 27SD137

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) SOIL Lab Sample ID: 27685.19

Sample wt/vol: 30.0 (g/mL) G Lab File ID: M3649.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 38 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 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	530	U

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68519

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685A

Matrix (soil/water): SOIL Lab Sample ID: 27685.19

Level (low/med): LOW Date Received: 11/19/96

% Solids: 62.4

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.7			P
7440-39-3	Barium	49.6			P
7440-43-9	Cadmium	14.8			P
7440-47-3	Chromium	16.2			P
7439-92-1	Lead	76.3			P
7439-97-6	Mercury	0.05	U		AV
7782-49-2	Selenium	0.56	B		P
7440-22-4	Silver	0.30	U		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

CLIENT_ID_=_27SD137

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.30

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22502.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 26 Date Analyzed: 12/03/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	55	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	12	
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	4	J
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.30

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22502.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 26 Date Analyzed: 12/03/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.30

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00534.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 26 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
100-51-6	Benzyl alcohol	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	bis(2-Chloroisopropyl)ether	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
65-85-0	Benzoic Acid	2200	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.30

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00534.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 26 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	440	U
121-14-2	2,4-Dinitrotoluene	440	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine_(1)	440	U
101-55-3	4-Bromophenylphenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	54	J
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	440	U
206-44-0	Fluoranthene	200	J
129-00-0	Pyrene	350	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	890	U
56-55-3	Benzo(a)anthracene	87	J
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	890	B
117-84-0	Di-n-octylphthalate	1000	U
205-99-2	Benzo(b)fluoranthene	77	J
207-08-9	Benzo(k)fluoranthene	150	J
50-32-8	Benzo(a)pyrene	67	J
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	440	U
110-86-1	Pyridine	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.30

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00534.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 26 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	440	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD138RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.30RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000551.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 26 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	bis(2-Chloroethyl)ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
100-51-6	Benzyl alcohol	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	bis(2-Chloroisopropyl)ether	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-di-n-propylamine	440	U
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	52	J
65-85-0	Benzoic Acid	440	U
111-91-1	bis(2-Chloroethoxy)methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	440	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	440	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	440	U
131-11-3	Dimethylphthalate	440	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD138RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.30RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00551.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 26 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2200	U
83-32-9	Acenaphthene	440	U
121-14-2	2,4-Dinitrotoluene	440	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	440	U
84-66-2	Diethylphthalate	440	U
7005-72-3	4-Chlorophenyl-phenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	54	J
101-55-3	4-Bromophenylphenylether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	64	J
120-12-7	Anthracene	440	U
84-74-2	Di-n-butylphthalate	60	J
206-44-0	Fluoranthene	250	J
129-00-0	Pyrene	320	J
85-68-7	Butylbenzylphthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	890	U
56-55-3	Benzo(a)anthracene	84	J
218-01-9	Chrysene	130	J
117-81-7	bis(2-Ethylhexyl)phthalate	840	B
117-84-0	Di-n-octylphthalate	990	
205-99-2	Benzo(b)fluoranthene	110	J
207-08-9	Benzo(k)fluoranthene	96	J
50-32-8	Benzo(a)pyrene	72	J
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenz(a,h)anthracene	440	U
191-24-2	Benzo(g,h,i)perylene	46	J
110-86-1	Pyridine	440	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD138RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.30RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00551.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 26 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	440	U

FORM I SV-3

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75830

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC SDG No.: 27758A
Lab Code: SWOK Case No.: SAS No.:
Matrix (soil/water): SOIL Lab Sample ID: 27758.30
Level (low/med): LOW Date Received: 11/23/96
% Solids: 73.6

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.0			P
7440-39-3	Barium	50.3			P
7440-43-9	Cadmium	1.3			P
7440-47-3	Chromium	9.1			P
7439-92-1	Lead	18.3			P
7439-97-6	Mercury	0.02	U		AV
7782-49-2	Selenium	0.38	U		P
7440-22-4	Silver	0.16	U		P

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

Comments:
CLIENT_ID:
27SD138

05

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.32

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22487.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 Date Analyzed: 12/03/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	110	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	86	
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	11	
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	14	
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.32

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22487.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 Date Analyzed: 12/03/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.32

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00512.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
100-51-6	Benzyl alcohol	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	bis(2-Chloroisopropyl)ether	470	U
106-44-5	4-Methylphenol	2400	
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
65-85-0	Benzoic Acid	2300	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	75	J
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	220	J
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	2300	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	2300	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.32

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000512.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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	2300	U
83-32-9	Acenaphthene	470	U
121-14-2	2,4-Dinitrotoluene	470	U
51-28-5	2,4-Dinitrophenol	2300	U
100-02-7	4-Nitrophenol	2300	U
132-64-9	Dibenzofuran	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-01-6	4-Nitroaniline	2300	U
534-52-1	4,6-Dinitro-2-methylphenol	2300	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenylphenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	2300	U
85-01-8	Phenanthrene	56	J
120-12-7	Anthracene	470	U
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	83	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	940	U
56-55-3	Benzo(a)anthracene	470	U
218-01-9	Chrysene	470	U
117-81-7	bis(2-Ethylhexyl)phthalate	4100	B
117-84-0	Di-n-octylphthalate	5100	
205-99-2	Benzo(b)fluoranthene	470	U
207-08-9	Benzo(k)fluoranthene	470	U
50-32-8	Benzo(a)pyrene	470	U
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenz(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	470	U
110-86-1	Pyridine	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.32

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000512.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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
95-94-3	1,2,4,5-Tetrachlorobenzene	470	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD139RE

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.32RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00536.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted:11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
100-51-6	Benzyl alcohol	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	bis(2-Chloroisopropyl)ether	470	U
106-44-5	4-Methylphenol	2400	
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
65-85-0	Benzoic Acid	2300	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	70	J
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	210	J
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	2300	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	2300	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD139RE

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.32RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00536.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted:11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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	2300	U
83-32-9	Acenaphthene	470	U
121-14-2	2,4-Dinitrotoluene	470	U
51-28-5	2,4-Dinitrophenol	2300	U
100-02-7	4-Nitrophenol	2300	U
132-64-9	Dibenzofuran	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-01-6	4-Nitroaniline	2300	U
534-52-1	4,6-Dinitro-2-methylphenol	2300	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenylphenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	2300	U
85-01-8	Phenanthrene	51	J
120-12-7	Anthracene	470	U
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	73	J
129-00-0	Pyrene	150	J
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	940	U
56-55-3	Benzo(a)anthracene	470	U
218-01-9	Chrysene	55	J
117-81-7	bis(2-Ethylhexyl)phthalate	4800	B
117-84-0	Di-n-octylphthalate	7000	
205-99-2	Benzo(b)fluoranthene	470	U
207-08-9	Benzo(k)fluoranthene	470	U
50-32-8	Benzo(a)pyrene	470	U
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenz(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	470	U
110-86-1	Pyridine	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD139RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.32RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00536.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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
95-94-3	1,2,4,5-Tetrachlorobenzene	470	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75832

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 27758A

Lab Code: SWOK__ Case No.: _____ SAS No.: _____

Matrix (soil/water): SOIL_ Lab Sample ID: 27758.32__

Level (low/med): LOW__ Date Received: 11/23/96

% Solids: _70.4

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	56.6			P
7440-43-9	Cadmium	7.9			P
7440-47-3	Chromium	12.2			P
7439-92-1	Lead	37.8			P
7439-97-6	Mercury	0.02	U		AV
7782-49-2	Selenium	0.48	B		P
7440-22-4	Silver	0.17	U		P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

CLIENT_ID:_____

27SD139_____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.29

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22484.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 Date Analyzed: 12/03/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	43	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	17	
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.29

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22484.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 Date Analyzed: 12/03/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.29

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00509.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
100-51-6	Benzyl alcohol	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	bis(2-Chloroisopropyl)ether	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
65-85-0	Benzoic Acid	2300	U
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	2300	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	2300	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.29

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00509.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2300	U
83-32-9	Acenaphthene	470	U
121-14-2	2,4-Dinitrotoluene	470	U
51-28-5	2,4-Dinitrophenol	2300	U
100-02-7	4-Nitrophenol	2300	U
132-64-9	Dibenzofuran	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-01-6	4-Nitroaniline	2300	U
534-52-1	4,6-Dinitro-2-methylphenol	2300	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenylphenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	2300	U
85-01-8	Phenanthrene	540	
120-12-7	Anthracene	50	J
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	810	
129-00-0	Pyrene	730	
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	940	U
56-55-3	Benzo(a)anthracene	150	J
218-01-9	Chrysene	450	J
117-81-7	bis(2-Ethylhexyl)phthalate	700	B
117-84-0	Di-n-octylphthalate	250	J
205-99-2	Benzo(b)fluoranthene	200	J
207-08-9	Benzo(k)fluoranthene	150	J
50-32-8	Benzo(a)pyrene	77	J
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenz(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	50	J
110-86-1	Pyridine	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.29

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00509.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 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	470	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD140RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.29RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000533.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	470	U
111-44-4	bis(2-Chloroethyl)ether	470	U
95-57-8	2-Chlorophenol	470	U
541-73-1	1,3-Dichlorobenzene	470	U
106-46-7	1,4-Dichlorobenzene	470	U
100-51-6	Benzyl alcohol	470	U
95-50-1	1,2-Dichlorobenzene	470	U
95-48-7	2-Methylphenol	470	U
108-60-1	bis(2-Chloroisopropyl)ether	470	U
106-44-5	4-Methylphenol	470	U
621-64-7	N-Nitroso-di-n-propylamine	470	U
67-72-1	Hexachloroethane	470	U
98-95-3	Nitrobenzene	470	U
78-59-1	Isophorone	470	U
88-75-5	2-Nitrophenol	470	U
105-67-9	2,4-Dimethylphenol	470	U
65-85-0	Benzoic Acid	69	J
111-91-1	bis(2-Chloroethoxy)methane	470	U
120-83-2	2,4-Dichlorophenol	470	U
120-82-1	1,2,4-Trichlorobenzene	470	U
91-20-3	Naphthalene	470	U
106-47-8	4-Chloroaniline	470	U
87-68-3	Hexachlorobutadiene	470	U
59-50-7	4-Chloro-3-methylphenol	470	U
91-57-6	2-Methylnaphthalene	470	U
77-47-4	Hexachlorocyclopentadiene	470	U
88-06-2	2,4,6-Trichlorophenol	470	U
95-95-4	2,4,5-Trichlorophenol	2300	U
91-58-7	2-Chloronaphthalene	470	U
88-74-4	2-Nitroaniline	2300	U
131-11-3	Dimethylphthalate	470	U
208-96-8	Acenaphthylene	470	U
606-20-2	2,6-Dinitrotoluene	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD140RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.29RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00533.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2300	U
83-32-9	Acenaphthene	470	U
121-14-2	2,4-Dinitrotoluene	470	U
51-28-5	2,4-Dinitrophenol	2300	U
100-02-7	4-Nitrophenol	2300	U
132-64-9	Dibenzofuran	470	U
84-66-2	Diethylphthalate	470	U
7005-72-3	4-Chlorophenyl-phenylether	470	U
86-73-7	Fluorene	470	U
100-01-6	4-Nitroaniline	2300	U
534-52-1	4,6-Dinitro-2-methylphenol	2300	U
86-30-6	N-Nitrosodiphenylamine (1)	470	U
101-55-3	4-Bromophenylphenylether	470	U
118-74-1	Hexachlorobenzene	470	U
87-86-5	Pentachlorophenol	2300	U
85-01-8	Phenanthrene	510	
120-12-7	Anthracene	51	J
84-74-2	Di-n-butylphthalate	470	U
206-44-0	Fluoranthene	720	
129-00-0	Pyrene	870	
85-68-7	Butylbenzylphthalate	470	U
91-94-1	3,3'-Dichlorobenzidine	940	U
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	440	J
117-81-7	bis(2-Ethylhexyl)phthalate	810	B
117-84-0	Di-n-octylphthalate	470	U
205-99-2	Benzo(b)fluoranthene	190	J
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	66	J
193-39-5	Indeno(1,2,3-cd)pyrene	470	U
53-70-3	Dibenz(a,h)anthracene	470	U
191-24-2	Benzo(g,h,i)perylene	50	J
110-86-1	Pyridine	470	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD140RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.29RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000533.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 30 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 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	470	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75829

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC SDG No.: 27758A
Lab Code: SWOK Case No.: SAS No.: Lab Sample ID: 27758.29
Matrix (soil/water): SOIL Date Received: 11/23/96
Level (low/med): LOW
% Solids: 69.4

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.1			P
7440-39-3	Barium	57.5			P
7440-43-9	Cadmium	0.78			P
7440-47-3	Chromium	12.7			P
7439-92-1	Lead	13.3			P
7439-97-6	Mercury	0.02	U		AV
7782-49-2	Selenium	0.40	U		P
7440-22-4	Silver	0.17	U		P

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

Comments:
CLIENT_ID:
27SD140

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.45

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22504.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 27 Date Analyzed: 12/03/96

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	7	U
74-83-9	BROMOMETHANE	7	U
75-01-4	VINYL CHLORIDE	7	U
75-00-3	CHLOROETHANE	7	U
75-09-2	METHYLENE CHLORIDE	7	U
67-64-1	ACETONE	21	B
75-35-4	1 1-DICHLOROETHENE	7	U
75-34-3	1 1-DICHLOROETHANE	7	U
67-66-3	CHLOROFORM	7	U
107-06-2	1 2-DICHLOROETHANE	7	U
78-93-3	2-BUTANONE	7	U
71-55-6	1 1 1-TRICHLOROETHANE	7	U
56-23-5	CARBON TETRACHLORIDE	7	U
75-27-4	BROMODICHLOROMETHANE	7	U
78-87-5	1 2-DICHLOROPROPANE	7	U
79-01-6	TRICHLOROETHENE	7	U
124-48-1	DIBROMOCHLOROMETHANE	7	U
79-00-5	1 1 2-TRICHLOROETHANE	7	U
71-43-2	BENZENE	7	U
75-25-2	BROMOFORM	7	U
108-10-1	4-METHYL-2-PENTANONE	7	U
591-78-6	2-HEXANONE	7	U
127-18-4	TETRACHLOROETHENE	7	U
108-88-3	TOLUENE	7	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	7	U
108-90-7	CHLOROBENZENE	7	U
100-41-4	ETHYL BENZENE	7	U
100-42-5	STYRENE	7	U
156-59-2	cis-1 2-DICHLOROETHENE	7	U
156-60-5	trans-1 2-DICHLOROETHENE	7	U
13-302-07	m,p-XYLENES	7	U
95-47-6	o-XYLENE	7	U
106-93-4	1 2-DIBROMOETHANE	7	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	7	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.45

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22504.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 27 Date Analyzed: 12/03/96

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	7	U
75-71-8	DICHLORODIFLUOROMETHANE	7	U
75-69-4	TRICHLOROFLUOROMETHANE	7	U
74-95-3	DIBROMOMETHANE	7	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	7	U
108-86-1	BROMOBENZENE	7	U
104-51-8	n-BUTYLBENZENE	7	U
98-06-6	tert-BUTYLBENZENE	7	U
135-98-8	sec-BUTYLBENZENE	7	U
95-49-8	2-CHLOROTOLUENE	7	U
106-43-4	4-CHLOROTOLUENE	7	U
95-50-1	1 2-DICHLOROBENZENE	7	U
541-73-1	1 3-DICHLOROBENZENE	7	U
106-46-7	1 4-DICHLOROBENZENE	7	U
142-28-9	1 3-DICHLOROPROPANE	7	U
594-20-7	2 2-DICHLOROPROPANE	7	U
563-58-6	1 1-DICHLOROPROPENE	7	U
87-68-3	HEXACHLOROBUTADIENE	7	U
98-82-8	ISOPROPYLBENZENE	7	U
99-87-6	p-ISOPROPYLTOLUENE	7	U
91-20-3	NAPHTHALENE	7	U
103-65-1	n-PROPYLBENZENE	7	U
87-61-6	1 2 3-TRICHLOROBENZENE	7	U
120-82-1	1 2 4-TRICHLOROBENZENE	7	U
95-63-6	1 2 4-TRIMETHYLBENZENE	7	U
108-67-8	1 3 5-TRIMETHYLBENZENE	7	U
74-97-5	BROMOCHLOROMETHANE	7	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.45

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00515.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 27 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
100-51-6	Benzyl alcohol	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	bis(2-Chloroisopropyl)ether	450	U
106-44-5	4-Methylphenol	210	J
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
65-85-0	Benzoic Acid	46	J
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	450	U
95-95-4	2,4,5-Trichlorophenol	2200	U
91-58-7	2-Chloronaphthalene	450	U
88-74-4	2-Nitroaniline	2200	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene	450	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.45

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00515.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 27 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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	2200	U
83-32-9	Acenaphthene	450	U
121-14-2	2,4-Dinitrotoluene	450	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	450	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine (1)	450	U
101-55-3	4-Bromophenylphenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	86	J
120-12-7	Anthracene	450	U
84-74-2	Di-n-butylphthalate	450	U
206-44-0	Fluoranthene	240	J
129-00-0	Pyrene	350	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	900	U
56-55-3	Benzo(a)anthracene	150	J
218-01-9	Chrysene	380	J
117-81-7	bis(2-Ethylhexyl)phthalate	580	B
117-84-0	Di-n-octylphthalate	180	J
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	230	J
50-32-8	Benzo(a)pyrene	180	J
193-39-5	Indeno(1,2,3-cd)pyrene	87	J
53-70-3	Dibenz(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	100	J
110-86-1	Pyridine	450	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.45

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000515.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 27 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

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
95-94-3	1,2,4,5-Tetrachlorobenzene	450	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD141RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.45RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000547.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 27 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

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	450	U
111-44-4	bis(2-Chloroethyl)ether	450	U
95-57-8	2-Chlorophenol	450	U
541-73-1	1,3-Dichlorobenzene	450	U
106-46-7	1,4-Dichlorobenzene	450	U
100-51-6	Benzyl alcohol	450	U
95-50-1	1,2-Dichlorobenzene	450	U
95-48-7	2-Methylphenol	450	U
108-60-1	bis(2-Chloroisopropyl)ether	450	U
106-44-5	4-Methylphenol	210	J
621-64-7	N-Nitroso-di-n-propylamine	450	U
67-72-1	Hexachloroethane	450	U
98-95-3	Nitrobenzene	450	U
78-59-1	Isophorone	450	U
88-75-5	2-Nitrophenol	450	U
105-67-9	2,4-Dimethylphenol	450	U
65-85-0	Benzoic Acid	77	J
111-91-1	bis(2-Chloroethoxy)methane	450	U
120-83-2	2,4-Dichlorophenol	450	U
120-82-1	1,2,4-Trichlorobenzene	450	U
91-20-3	Naphthalene	450	U
106-47-8	4-Chloroaniline	450	U
87-68-3	Hexachlorobutadiene	450	U
59-50-7	4-Chloro-3-methylphenol	450	U
91-57-6	2-Methylnaphthalene	450	U
77-47-4	Hexachlorocyclopentadiene	450	U
88-06-2	2,4,6-Trichlorophenol	2200	U
95-95-4	2,4,5-Trichlorophenol	450	U
91-58-7	2-Chloronaphthalene	2200	U
88-74-4	2-Nitroaniline	450	U
131-11-3	Dimethylphthalate	450	U
208-96-8	Acenaphthylene	450	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD141RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.45RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00547.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 27 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

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	2200	U
83-32-9	Acenaphthene	450	U
121-14-2	2,4-Dinitrotoluene	450	U
51-28-5	2,4-Dinitrophenol	2200	U
100-02-7	4-Nitrophenol	2200	U
132-64-9	Dibenzofuran	450	U
84-66-2	Diethylphthalate	450	U
7005-72-3	4-Chlorophenyl-phenylether	450	U
86-73-7	Fluorene	450	U
100-01-6	4-Nitroaniline	2200	U
534-52-1	4,6-Dinitro-2-methylphenol	2200	U
86-30-6	N-Nitrosodiphenylamine_(1)	450	U
101-55-3	4-Bromophenylphenylether	450	U
118-74-1	Hexachlorobenzene	450	U
87-86-5	Pentachlorophenol	2200	U
85-01-8	Phenanthrene	100	J
120-12-7	Anthracene	450	U
84-74-2	Di-n-butylphthalate	57	J
206-44-0	Fluoranthene	310	J
129-00-0	Pyrene	310	J
85-68-7	Butylbenzylphthalate	450	U
91-94-1	3,3'-Dichlorobenzidine	900	U
56-55-3	Benzo(a)anthracene	140	J
218-01-9	Chrysene	360	J
117-81-7	bis(2-Ethylhexyl)phthalate	480	B
117-84-0	Di-n-octylphthalate	160	J
205-99-2	Benzo(b)fluoranthene	290	J
207-08-9	Benzo(k)fluoranthene	200	J
50-32-8	Benzo(a)pyrene	190	J
193-39-5	Indeno(1,2,3-cd)pyrene	82	J
53-70-3	Dibenz(a,h)anthracene	450	U
191-24-2	Benzo(g,h,i)perylene	92	J
110-86-1	Pyridine	450	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD141RE

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.45RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000547.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 27 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

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
95-94-3	1,2,4,5-Tetrachlorobenzene	450	U

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75845

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 27758A

Lab Code: SWOK__ Case No.: _____ SAS No.: _____ Lab Sample ID: 27758.45__

Matrix (soil/water): SOIL_ Date Received: 11/23/96

Level (low/med): LOW__

% Solids: _72.6

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	64.4			P
7440-43-9	Cadmium	1.6			P
7440-47-3	Chromium	32.9			P
7439-92-1	Lead	169			P
7439-97-6	Mercury	0.02	U		AV
7782-49-2	Selenium	0.39	U		P
7440-22-4	Silver	0.17	U		P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

CLIENT_ID: _____

27SD141 _____

_____

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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.49

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22510.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 23 Date Analyzed: 12/03/96

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	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	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.
27SD142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.49

Sample wt/vol: 5.0 (g/mL) G Lab File ID: I22510.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 23 Date Analyzed: 12/03/96

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.

27SD142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.49

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00529.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 23 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	430	U
111-44-4	bis(2-Chloroethyl)ether	430	U
95-57-8	2-Chlorophenol	430	U
541-73-1	1,3-Dichlorobenzene	430	U
106-46-7	1,4-Dichlorobenzene	430	U
100-51-6	Benzyl alcohol	430	U
95-50-1	1,2-Dichlorobenzene	430	U
95-48-7	2-Methylphenol	430	U
108-60-1	bis(2-Chloroisopropyl)ether	430	U
106-44-5	4-Methylphenol	430	U
621-64-7	N-Nitroso-di-n-propylamine	430	U
67-72-1	Hexachloroethane	430	U
98-95-3	Nitrobenzene	430	U
78-59-1	Isophorone	430	U
88-75-5	2-Nitrophenol	430	U
105-67-9	2,4-Dimethylphenol	430	U
65-85-0	Benzoic Acid	2100	U
111-91-1	bis(2-Chloroethoxy)methane	430	U
120-83-2	2,4-Dichlorophenol	430	U
120-82-1	1,2,4-Trichlorobenzene	430	U
91-20-3	Naphthalene	430	U
106-47-8	4-Chloroaniline	430	U
87-68-3	Hexachlorobutadiene	430	U
59-50-7	4-Chloro-3-methylphenol	430	U
91-57-6	2-Methylnaphthalene	430	U
77-47-4	Hexachlorocyclopentadiene	430	U
88-06-2	2,4,6-Trichlorophenol	430	U
95-95-4	2,4,5-Trichlorophenol	2100	U
91-58-7	2-Chloronaphthalene	430	U
88-74-4	2-Nitroaniline	2100	U
131-11-3	Dimethylphthalate	430	U
208-96-8	Acenaphthylene	430	U
606-20-2	2,6-Dinitrotoluene	430	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.49

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00529.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 23 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
99-09-2	3-Nitroaniline	2100	U
83-32-9	Acenaphthene	430	U
121-14-2	2,4-Dinitrotoluene	430	U
51-28-5	2,4-Dinitrophenol	2100	U
100-02-7	4-Nitrophenol	2100	U
132-64-9	Dibenzofuran	430	U
84-66-2	Diethylphthalate	430	U
7005-72-3	4-Chlorophenyl-phenylether	430	U
86-73-7	Fluorene	430	U
100-01-6	4-Nitroaniline	2100	U
534-52-1	4,6-Dinitro-2-methylphenol	2100	U
86-30-6	N-Nitrosodiphenylamine (1)	430	U
101-55-3	4-Bromophenylphenylether	430	U
118-74-1	Hexachlorobenzene	430	U
87-86-5	Pentachlorophenol	2100	U
85-01-8	Phenanthrene	430	U
120-12-7	Anthracene	430	U
84-74-2	Di-n-butylphthalate	430	U
206-44-0	Fluoranthene	81	J
129-00-0	Pyrene	130	J
85-68-7	Butylbenzylphthalate	430	U
91-94-1	3,3'-Dichlorobenzidine	860	U
56-55-3	Benzo(a)anthracene	49	J
218-01-9	Chrysene	73	J
117-81-7	bis(2-Ethylhexyl)phthalate	1400	B
117-84-0	Di-n-octylphthalate	460	
205-99-2	Benzo(b)fluoranthene	64	J
207-08-9	Benzo(k)fluoranthene	60	J
50-32-8	Benzo(a)pyrene	49	J
193-39-5	Indeno(1,2,3-cd)pyrene	430	U
53-70-3	Dibenz(a,h)anthracene	430	U
191-24-2	Benzo(g,h,i)perylene	430	U
110-86-1	Pyridine	430	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.49

Sample wt/vol: 30.0 (g/mL) G Lab File ID: 000529.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 23 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 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	430	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75849

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 27758A

Matrix (soil/water): SOIL Lab Sample ID: 27758.49

Level (low/med): LOW Date Received: 11/23/96

% Solids: 77.1

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	3.6			P
7440-39-3	Barium	41.7			P
7440-43-9	Cadmium	1.4			P
7440-47-3	Chromium	10.5			P
7439-92-1	Lead	14.4			P
7439-97-6	Mercury	0.02	U		AV
7782-49-2	Selenium	0.36	U		P
7440-22-4	Silver	0.16	U		P

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID:

27SD142

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.46

Sample wt/vol: 1.0 (g/mL) G Lab File ID: I22508.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 22 Date Analyzed: 12/03/96

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	32	U
74-83-9	BROMOMETHANE	32	U
75-01-4	VINYL CHLORIDE	32	U
75-00-3	CHLOROETHANE	32	U
75-09-2	METHYLENE CHLORIDE	32	U
67-64-1	ACETONE	98	B
75-35-4	1 1-DICHLOROETHENE	32	U
75-34-3	1 1-DICHLOROETHANE	32	U
67-66-3	CHLOROFORM	32	U
107-06-2	1 2-DICHLOROETHANE	32	U
78-93-3	2-BUTANONE	32	U
71-55-6	1 1 1-TRICHLOROETHANE	32	U
56-23-5	CARBON TETRACHLORIDE	32	U
75-27-4	BROMODICHLOROMETHANE	32	U
78-87-5	1 2-DICHLOROPROPANE	32	U
79-01-6	TRICHLOROETHENE	32	U
124-48-1	DIBROMOCHLOROMETHANE	32	U
79-00-5	1 1 2-TRICHLOROETHANE	32	U
71-43-2	BENZENE	32	U
75-25-2	BROMOFORM	32	U
108-10-1	4-METHYL-2-PENTANONE	32	U
591-78-6	2-HEXANONE	32	U
127-18-4	TETRACHLOROETHENE	32	U
108-88-3	TOLUENE	32	U
79-34-5	1 1 2 2-TETRACHLOROETHANE	32	U
108-90-7	CHLOROBENZENE	32	U
100-41-4	ETHYL BENZENE	32	U
100-42-5	STYRENE	32	U
156-59-2	cis-1 2-DICHLOROETHENE	32	U
156-60-5	trans-1 2-DICHLOROETHENE	32	U
13-302-07	m,p-XYLENES	32	U
95-47-6	o-XYLENE	32	U
106-93-4	1 2-DIBROMOETHANE	32	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	32	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SD143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.46

Sample wt/vol: 1.0 (g/mL) G Lab File ID: I22508.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 22 Date Analyzed: 12/03/96

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	32	U
75-71-8	DICHLORODIFLUOROMETHANE	32	U
75-69-4	TRICHLOROFLUOROMETHANE	32	U
74-95-3	DIBROMOMETHANE	32	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	32	U
108-86-1	BROMOBENZENE	32	U
104-51-8	n-BUTYLBENZENE	32	U
98-06-6	tert-BUTYLBENZENE	32	U
135-98-8	sec-BUTYLBENZENE	32	U
95-49-8	2-CHLOROTOLUENE	32	U
106-43-4	4-CHLOROTOLUENE	32	U
95-50-1	1 2-DICHLOROBENZENE	32	U
541-73-1	1 3-DICHLOROBENZENE	32	U
106-46-7	1 4-DICHLOROBENZENE	32	U
142-28-9	1 3-DICHLOROPROPANE	32	U
594-20-7	2 2-DICHLOROPROPANE	32	U
563-58-6	1 1-DICHLOROPROPENE	32	U
87-68-3	HEXACHLOROBUTADIENE	32	U
98-82-8	ISOPROPYLBENZENE	32	U
99-87-6	p-ISOPROPYLTOLUENE	32	U
91-20-3	NAPHTHALENE	32	U
103-65-1	n-PROPYLBENZENE	32	U
87-61-6	1 2 3-TRICHLOROBENZENE	32	U
120-82-1	1 2 4-TRICHLOROBENZENE	32	U
95-63-6	1 2 4-TRIMETHYLBENZENE	32	U
108-67-8	1 3 5-TRIMETHYLBENZENE	32	U
74-97-5	BROMOCHLOROMETHANE	32	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD143

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.46

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00516.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 22 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	bis(2-Chloroisopropyl)ether	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.46

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00516.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 22 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	420	U
121-14-2	2,4-Dinitrotoluene	420	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	210	J
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	140	J
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine (1)	420	U
101-55-3	4-Bromophenylphenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-butylphthalate	120	J
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	51	J
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	940	B
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U
110-86-1	Pyridine	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.46

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00516.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 22 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	420	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD143RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.46RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00548.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 22 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

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	420	U
111-44-4	bis(2-Chloroethyl)ether	420	U
95-57-8	2-Chlorophenol	420	U
541-73-1	1,3-Dichlorobenzene	420	U
106-46-7	1,4-Dichlorobenzene	420	U
100-51-6	Benzyl alcohol	420	U
95-50-1	1,2-Dichlorobenzene	420	U
95-48-7	2-Methylphenol	420	U
108-60-1	bis(2-Chloroisopropyl)ether	420	U
106-44-5	4-Methylphenol	420	U
621-64-7	N-Nitroso-di-n-propylamine	420	U
67-72-1	Hexachloroethane	420	U
98-95-3	Nitrobenzene	420	U
78-59-1	Isophorone	420	U
88-75-5	2-Nitrophenol	420	U
105-67-9	2,4-Dimethylphenol	420	U
65-85-0	Benzoic Acid	2000	U
111-91-1	bis(2-Chloroethoxy)methane	420	U
120-83-2	2,4-Dichlorophenol	420	U
120-82-1	1,2,4-Trichlorobenzene	420	U
91-20-3	Naphthalene	420	U
106-47-8	4-Chloroaniline	420	U
87-68-3	Hexachlorobutadiene	420	U
59-50-7	4-Chloro-3-methylphenol	420	U
91-57-6	2-Methylnaphthalene	1300	
77-47-4	Hexachlorocyclopentadiene	420	U
88-06-2	2,4,6-Trichlorophenol	420	U
95-95-4	2,4,5-Trichlorophenol	2000	U
91-58-7	2-Chloronaphthalene	420	U
88-74-4	2-Nitroaniline	2000	U
131-11-3	Dimethylphthalate	420	U
208-96-8	Acenaphthylene	420	U
606-20-2	2,6-Dinitrotoluene	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD143RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.46RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00548.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 22 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

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	420	U
121-14-2	2,4-Dinitrotoluene	420	U
51-28-5	2,4-Dinitrophenol	2000	U
100-02-7	4-Nitrophenol	2000	U
132-64-9	Dibenzofuran	180	J
84-66-2	Diethylphthalate	420	U
7005-72-3	4-Chlorophenyl-phenylether	420	U
86-73-7	Fluorene	110	J
100-01-6	4-Nitroaniline	2000	U
534-52-1	4,6-Dinitro-2-methylphenol	2000	U
86-30-6	N-Nitrosodiphenylamine_(1)	420	U
101-55-3	4-Bromophenylphenylether	420	U
118-74-1	Hexachlorobenzene	420	U
87-86-5	Pentachlorophenol	2000	U
85-01-8	Phenanthrene	420	U
120-12-7	Anthracene	420	U
84-74-2	Di-n-butylphthalate	130	J
206-44-0	Fluoranthene	420	U
129-00-0	Pyrene	420	U
85-68-7	Butylbenzylphthalate	420	U
91-94-1	3,3'-Dichlorobenzidine	850	U
56-55-3	Benzo(a)anthracene	420	U
218-01-9	Chrysene	420	U
117-81-7	bis(2-Ethylhexyl)phthalate	720	B
117-84-0	Di-n-octylphthalate	420	U
205-99-2	Benzo(b)fluoranthene	420	U
207-08-9	Benzo(k)fluoranthene	420	U
50-32-8	Benzo(a)pyrene	420	U
193-39-5	Indeno(1,2,3-cd)pyrene	420	U
53-70-3	Dibenz(a,h)anthracene	420	U
191-24-2	Benzo(g,h,i)perylene	420	U
110-86-1	Pyridine	420	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SD143RE

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) SOIL Lab Sample ID: 27758.46RA

Sample wt/vol: 30.0 (g/mL) G Lab File ID: O00548.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 22 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 12/13/96

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
95-94-3	1,2,4,5-Tetrachlorobenzene	420	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75846

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 27758A

Lab Code: SWOK__ Case No.: _____ SAS No.: _____ Lab Sample ID: 27758.46__

Matrix (soil/water): SOIL_ Date Received: 11/23/96

Level (low/med): LOW__

% Solids: _77.7

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	4.1			P
7440-39-3	Barium	53.7			P
7440-43-9	Cadmium	0.84			P
7440-47-3	Chromium	8.5			P
7439-92-1	Lead	11.8			P
7439-97-6	Mercury	0.09			AV
7782-49-2	Selenium	0.36	U		P
7440-22-4	Silver	0.25	U		P

Color Before: GREY_____ Clarity Before: _____ Texture: MEDIUM

Color After: YELLOW___ Clarity After: CLEAR_ Artifacts: _____

Comments:

CLIENT_ID:_____

27SD143_____

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SB101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33297

Matrix: (soil/water) SOIL Lab Sample ID: 33297.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: R29740.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: not dec. 15 Date Analyzed: 03/30/98

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	19	
67-64-1	ACETONE	140	
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.
27SB101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33297

Matrix: (soil/water) SOIL Lab Sample ID: 33297.11

Sample wt/vol: 5.0 (g/mL) G Lab File ID: R29740.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: not dec. 15 Date Analyzed: 03/30/98

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	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.

27SB101

Lab Name: SWL-TULSA Contract: FORT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33297

Matrix: (soil/water) SOIL Lab Sample ID: 33297.11

Sample wt/vol: 30.7 (g/mL) G Lab File ID: A9998.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: not dec. 15 dec. Date Extracted: 03/25/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/01/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 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.

27SB101

Lab Name: SWL-TULSA Contract: FORT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33297

Matrix: (soil/water) SOIL Lab Sample ID: 33297.11

Sample wt/vol: 30.7 (g/mL) G Lab File ID: A9998.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: not dec. 15 dec. Date Extracted: 03/25/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/01/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 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	43	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.

27SB101

ab Name: SWL-TULSA Contract: FORT HOOD

ab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 33297

Matrix: (soil/water) SOIL Lab Sample ID: 33297.11

Sample wt/vol: 30.7 (g/mL) G Lab File ID: A9998.D

Level: (low/med) LOW Date Received: 03/24/98

% Moisture: not dec. 15 dec. Date Extracted: 03/25/98

Extraction: (SepF/Cont/Sonc) SONC Date Analyzed: 04/01/98

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 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

27SB101

INORGANIC ANALYSES DATA SHEET

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 33297 SAS No.: SDG No.: 33297

Matrix (soil/water): SOIL

Level (low/med): LOW

% Solids: 85.3

Lab Sample ID: 33297.11

Date Received: 03/24/98

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

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	5.2			P
7440-39-3	Barium	24.4			P
7440-43-9	Cadmium	0.16	B		P
7440-47-3	Chromium	5.0			P
7439-92-1	Lead	3.8			P
7439-97-6	Mercury	0.04	U	N	AV
7782-49-2	Selenium	0.25	U	W	F
7440-22-4	Silver	0.20	U		P

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

FORM I - IN

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL375.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/20/96

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	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

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL375.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/20/96

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.

27SW101

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16197.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	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	4	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.

27SW101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16197.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	1	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

27SW101

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16197.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68522

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685B

Matrix (soil/water): WATER Lab Sample ID: 27685.22

Level (low/med): LOW Date Received: 11/19/96

% 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	2.5	U		P
7440-39-3	Barium	52.6			P
7440-43-9	Cadmium	1.7	B		P
7440-47-3	Chromium	1.4	B		P
7439-92-1	Lead	3.6			P
7439-97-6	Mercury	0.15	B		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW101

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL376.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/20/96

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.
27SW102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL376.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/20/96

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.

27SW102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.23

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16198.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	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	2	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

27SW102

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.23

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16198.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	1	J
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	10	U
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 NC: 27SW102

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.23

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16198.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68523

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685B

Matrix (soil/water): WATER Lab Sample ID: 27685.23

Level (low/med): LOW Date Received: 11/19/96

% 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	2.5	U		P
7440-39-3	Barium	43.8			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	3.7	B		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.12	B		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW102

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.24

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL377.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/20/96

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.

27SW103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.24

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL377.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/20/96

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.

27SW103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.24

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16199.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	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	2	J
65-85-0	Benzoic Acid	10	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	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW103

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.24

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16199.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	1	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

27SW103

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.24

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16199.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68524

ab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

ab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685B

atrix (soil/water): WATER Lab Sample ID: 27685.24

evel (low/med): LOW Date Received: 11/19/96

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	2.5	U		P
7440-39-3	Barium	32.5			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	3.7	B		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

olor Before: COLORLESS Clarity Before: CLEAR Texture:

olor After: COLORLESS Clarity After: CLEAR Artifacts:

omments:

CLIENT_ID_=_27SW103

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW104

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL410.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. _____ Date Analyzed: 11/22/96

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.
27SW104

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL410.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. _____ Date Analyzed: 11/22/96

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.

27SW104

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK405.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 0 dec. Date Extracted: 11/22/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 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	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.

27SW104

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK405.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 0 dec. Date Extracted: 11/22/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 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	10	U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW104

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK405.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 0 dec. Date Extracted: 11/22/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 6.9 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

FORM I SV-3

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

72603

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27726 SAS No.: SDG No.: 27726B

Matrix (soil/water): WATER Lab Sample ID: 27726.03

Level (low/med): LOW Date Received: 11/21/96

% 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	2.5	U		P
7440-39-3	Barium	38.8			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	0.80	U		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW104

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW105

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL411.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. _____ Date Analyzed: 11/22/96

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.

27SW105

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL411.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. _____ Date Analyzed: 11/22/96

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.

27SW105

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK406.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 0 dec. Date Extracted: 11/22/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	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	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW105

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK406.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 0 dec. Date Extracted: 11/22/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	10	U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW105

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27726

Matrix: (soil/water) WATER Lab Sample ID: 27726.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK406.D

Level: (low/med) LOW Date Received: 11/21/96

% Moisture: not dec. 0 dec. Date Extracted:11/22/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

72604

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27726 SAS No.: SDG No.: 27726B

Matrix (soil/water): WATER Lab Sample ID: 27726.04

Level (low/med): LOW Date Received: 11/21/96

% 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	2.5	U		P
7440-39-3	Barium	34.2			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	0.81	B		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW105

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW106

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL485.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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.

27SW106

ab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL485.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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.

27SW106

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3710.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	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.

27SW106

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3710.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	10	U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW106

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3710.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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

FORM I SV-3

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74604

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27746 SAS No.: SDG No.: 27746B

Matrix (soil/water): WATER Lab Sample ID: 27746.04

Level (low/med): LOW Date Received: 11/22/96

% 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	4.6	B		P
7440-39-3	Barium	39.9			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	2.4	B		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW106

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW107

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.25

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL378.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/20/96

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.
27SW107

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.25

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL378.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/20/96

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

27SW107

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16200.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

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	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	10	U
100-51-6	Benzyl alcohol	8	J
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	96	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.

27SW107

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16200.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

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	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	2	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

27SW107

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.25

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16200.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68525

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27685 SAS No.: SDG No.: 27685E

Matrix (soil/water): WATER Lab Sample ID: 27685.25

Level (low/med): LOW Date Received: 11/19/96

% 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	2.5	U		P
7440-39-3	Barium	38.2			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	60.2			P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW107

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW108

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.26

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL397.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.

27SW108

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.26

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL397.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.

27SW108

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.26

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00525.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

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	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	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	2	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.

27SW108

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.26

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00525.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

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	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	10	U
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	50	U

FORM I SV-2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW108

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.26

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 000525.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

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

FORM I SV-3

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68426

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684B

Matrix (soil/water): WATER Lab Sample ID: 27684.26

Level (low/med): LOW Date Received: 11/19/96

% 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	2.5	U		P
7440-39-3	Barium	30.3			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	5.5	B		P
7439-92-1	Lead	2.4	B		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW108

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW109

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL467.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 11/27/96

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		1	J
78-87-5	1 2-DICHLOROPROPANE		5	U
79-01-6	TRICHLOROETHENE		5	U
124-48-1	DIBROMOCHLOROMETHANE		1	J
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		1	J
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.
27SW109

ab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL467.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 11/27/96

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	1	J
108-67-8	1 3 5-TRIMETHYLBENZENE	3	J
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW109

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3711.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	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	34	
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	29	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.

27SW109

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3711.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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)	1	J
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	2	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW109

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3711.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74605

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK__ Case No.: 27746 SAS No.: _____ SDG No.: 27746B
Matrix (soil/water): WATER Lab Sample ID: 27746.05__
Level (low/med): LOW__ Date Received: 11/22/96
% 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	2.5	U		P
7440-39-3	Barium	0.30	U		P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	0.80	U		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID_=_27SW109

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW110

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL470.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 11/27/96

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		1	J
107-06-2	1 2-DICHLOROETHANE		5	U
78-93-3	2-BUTANONE		5	U
71-55-6	1 1 1-TRICHLOROETHANE		34	
56-23-5	CARBON TETRACHLORIDE		5	U
75-27-4	BROMODICHLOROMETHANE		3	J
78-87-5	1 2-DICHLOROPROPANE		5	U
79-01-6	TRICHLOROETHENE		5	U
124-48-1	DIBROMOCHLOROMETHANE		2	J
79-00-5	1 1 2-TRICHLOROETHANE		5	U
71-43-2	BENZENE		5	U
75-25-2	BROMOFORM		1	J
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.
27SW110

ab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.06

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL470.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 11/27/96

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	7	
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	3	J
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

27SW110

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3725.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted:11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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	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	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	11	
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	4	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	3	J
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	4	J
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.

27SW110

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3725.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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	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)	1	J
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	6	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW110

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.06

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3725.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74606

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27746 SAS No.: SDG No.: 27746B

Matrix (soil/water): WATER Lab Sample ID: 27746.06

Level (low/med): LOW Date Received: 11/22/96

% 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	5.9	B		P
7440-39-3	Barium	131			P
7440-43-9	Cadmium	34.8			P
7440-47-3	Chromium	3.5	B		P
7439-92-1	Lead	4.2			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW110

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW111

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL718.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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	2	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	3	J
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.

27SW111

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.04

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL718.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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.

27SW111

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK815.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	6	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	2	J
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	2	J
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW111

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK815.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted:12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 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	4	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	8	J
117-84-0	Di-n-octylphthalate	6	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW111

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.04

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK815.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted:12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 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

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

01404

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK__ Case No.: 28014 SAS No.: _____ SDG No.: 28014B
Matrix (soil/water): WATER Lab Sample ID: 28014.04__
Level (low/med): LOW__ Date Received: 12/18/96
% 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__	4.0	B		P
7440-39-3	Barium___	325			P
7440-43-9	Cadmium__	13.8			P
7440-47-3	Chromium_	6.8	B		P
7439-92-1	Lead____	9.6			P
7439-97-6	Mercury__	0.10	U		AV
7782-49-2	Selenium_	2.8	U		P
7440-22-4	Silver___	1.2	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID_=_27SW111

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE N

27SW112

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL710.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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	6	
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	1	J
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	1	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	4	J
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	6	
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.

27SW112

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL710.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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: 27SW112

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P10862.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/09/97

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/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	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	3	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	6	J
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NC

27SW112

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P10862.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/09/97

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/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	9	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	10	U
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

FORM I SV-2

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO: 27SW112

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P10862.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/09/97

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/L	Q
95-9403	1,2,4,5-Tetrachlorobenzene	10	U

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

00807

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28008 SAS No.: SDG No.: 28008

Matrix (soil/water): WATER Lab Sample ID: 28008.07

Level (low/med): LOW Date Received: 12/17/96

% 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	2.5	U		P
7440-39-3	Barium	69.9			P
7440-43-9	Cadmium	4.5	B		P
7440-47-3	Chromium	3.8	B		P
7439-92-1	Lead	4.2		*	P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW112

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW113

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL390.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.
27SW113

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL390.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.

27SW113

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00488.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	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	1	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	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	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.

27SW113

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00488.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	10	U
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	50	U

GS

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW113

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00488.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68407

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684B

Matrix (soil/water): WATER Lab Sample ID: 27684.07

Level (low/med): LOW Date Received: 11/19/96

% 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	2.5	U		P
7440-39-3	Barium	72.8			P
7440-43-9	Cadmium	0.73	B		P
7440-47-3	Chromium	32.9			P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.43			AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW113

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW114

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL391.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.

27SW114

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL391.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.

27SW114

Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00489.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 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	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	2	J
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	8	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.

27SW114

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00489.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 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	2	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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW114

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00489.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68408

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 27684B
Lab Code: SWOK__ Case No.: 27684 SAS No.: _____
Matrix (soil/water): WATER Lab Sample ID: 27684.08__
Level (low/med): LOW__ Date Received: 11/19/96
% 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__	2.5	U		P
7440-39-3	Barium___	86.4			P
7440-43-9	Cadmium__	1.1	B		P
7440-47-3	Chromium_	30.7			P
7439-92-1	Lead____	1.7	U		P
7439-97-6	Mercury__	0.10	U		AV
7782-49-2	Selenium_	2.8	U		P
7440-22-4	Silver___	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID_=_27SW114

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW115

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL471.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 11/27/96

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	1	J
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	4	J
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	1	J
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.

27SW115

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.07

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL471.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 11/27/96

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	4	J
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.

27SW115

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3726.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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	5	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	1	J
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	3	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	2	J
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	4	J
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.

27SW115

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3726.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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	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	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	4	J
117-84-0	Di-n-octylphthalate	6	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW115

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.07

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3726.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74607

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27746 SAS No.: SDG No.: 27746B

Matrix (soil/water): WATER Lab Sample ID: 27746.07

Level (low/med): LOW Date Received: 11/22/96

% 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	5.3	B		P
7440-39-3	Barium	173			P
7440-43-9	Cadmium	18.2			P
7440-47-3	Chromium	3.9	B		P
7439-92-1	Lead	5.2			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW115

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW116

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL486.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	15	
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.
27SW116

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.08

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL486.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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.

27SW116

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3727.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	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	4	J
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	4	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.

27SW116

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3727.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	5	J
117-84-0	Di-n-octylphthalate	2	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW116

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.08

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3727.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74608

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27746 SAS No.: SDG No.: 27746B

Matrix (soil/water): WATER Lab Sample ID: 27746.08

Level (low/med): LOW Date Received: 11/22/96

% 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	3.3	B		P
7440-39-3	Barium	78.6			P
7440-43-9	Cadmium	5.0			P
7440-47-3	Chromium	3.8	B		P
7439-92-1	Lead	3.6			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW116

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW117

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL719.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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.

27SW117

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.05

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL719.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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.

27SW117

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK845.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted:12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 10.1 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	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	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	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.

27SW117

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK845.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 10.1 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	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	10	U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW117

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.05

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK845.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 10.1 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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

01405

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28014 SAS No.: SDG No.: 28014B

Matrix (soil/water): WATER Lab Sample ID: 28014.05

Level (low/med): LOW Date Received: 12/18/96

% 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	B		P
7440-39-3	Barium	26.1			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	9.1	B		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.29			AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW117

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW118

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL487.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	1	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	2	J
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	1	J
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	4	J
95-47-6	o-XYLENE	2	J
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.

27SW118

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL487.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	7	
108-67-8	1 3 5-TRIMETHYLBENZENE	2	J
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW118

b Name: SWL-TULSA Contract: FT HOOD

ab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3728.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	10	U
100-51-6	Benzyl alcohol	2	J
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	4	J
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	2	J
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW118

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3728.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	12	
117-84-0	Di-n-octylphthalate	2	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW118

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3728.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74609

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27746 SAS No.: SDG No.: 27746B

Matrix (soil/water): WATER Lab Sample ID: 27746.09

Level (low/med): LOW Date Received: 11/22/96

% 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	6.0	B		P
7440-39-3	Barium	101			P
7440-43-9	Cadmium	30.1			P
7440-47-3	Chromium	5.9	B		P
7439-92-1	Lead	12.8			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW118

FORM I - IN

ILM02.1

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW119

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL488.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	160	
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	1	J
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	3	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	2	J
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	2	J
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	2	J
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	6	
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	29	
95-47-6	o-XYLENE	10	
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.
27SW119

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL488.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	1	J
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	16	
108-67-8	1 3 5-TRIMETHYLBENZENE	4	J
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW119

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3729.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	2	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.

27SW119

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3729.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	7	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW119

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3729.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74610

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK__ Case No.: 27746 SAS No.: _____ SDG No.: 27746B
Matrix (soil/water): WATER Lab Sample ID: 27746.10__
Level (low/med): LOW__ Date Received: 11/22/96
% 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	2.7	B		P
7440-39-3	Barium	124			P
7440-43-9	Cadmium	6.9			P
7440-47-3	Chromium	5.5	B		P
7439-92-1	Lead	12.1			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID_=_27SW119

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW123

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL715.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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	3	J
95-47-6	o-XYLENE	2	J
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.
27SW123

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.01

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL715.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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	2	J
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	27	
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	22	
95-63-6	1 2 4-TRIMETHYLBENZENE	4	J
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE		

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW123

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK812.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

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/L	Q
108-95-2	Phenol	1	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	J
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	18	
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.

27SW123

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK812.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

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/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	2	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW123

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.01

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK812.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted:12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

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/L	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

FORM I SV-3

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

01401

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK__ Case No.: 28014 SAS No.: _____ SDG No.: 28014B
Matrix (soil/water): WATER Lab Sample ID: 28014.01__
Level (low/med): LOW__ Date Received: 12/18/96
% 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	2.5	U		P
7440-39-3	Barium	18.7			P
7440-43-9	Cadmium	1.6	B		P
7440-47-3	Chromium	1.5	B		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID_=_27SW123

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW124

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL716.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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.

27SW124

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.02

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL716.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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.

27SW124

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK844.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 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	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.

27SW124

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK844.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 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	10	U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW124

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.02

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK844.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted:12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.9 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

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

01402

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 28014B
Lab Code: SWOK__ Case No.: 28014 SAS No.: _____
Matrix (soil/water): WATER Lab Sample ID: 28014.02__
Level (low/med): LOW__ Date Received: 12/18/96
% 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__	2.5	U		P_
7440-39-3	Barium___	28.1			P_
7440-43-9	Cadmium__	0.50	U		P_
7440-47-3	Chromium_	0.80	U		P_
7439-92-1	Lead_____	1.7	U		P_
7439-97-6	Mercury__	0.10	U		AV
7782-49-2	Selenium_	2.8	U		P_
7440-22-4	Silver___	1.2	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID_=_27SW124

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW126

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL392.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.
27SW126

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.09

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL392.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.

27SW126

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00490.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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	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	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.

27SW126

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 000490.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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	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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW126

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.09

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00490.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68409

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684B

Matrix (soil/water): WATER Lab Sample ID: 27684.09

Level (low/med): LOW Date Received: 11/19/96

% 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	2.5	U		P
7440-39-3	Barium	94.8			P
7440-43-9	Cadmium	0.50	U		P
7440-47-3	Chromium	14.9			P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	0.63			AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW126

FORM I - IN

ILM02.1

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW127

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL393.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.
27SW127

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.10

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL393.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.

27SW127

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00491.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	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	2	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.

27SW127

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00491.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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	42	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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW127

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.10

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00491.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68410

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 27684B

Lab Code: SWOK__ Case No.: 27684 SAS No.: _____ Lab Sample ID: 27684.10__

Matrix (soil/water): WATER Date Received: 11/19/96

Level (low/med): LOW__

% 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__	2.5	U		P_
7440-39-3	Barium___	45.3			P_
7440-43-9	Cadmium__	0.96	B		P_
7440-47-3	Chromium_	0.80	U		P_
7439-92-1	Lead_____	1.7	U		P_
7439-97-6	Mercury__	0.57			AV
7782-49-2	Selenium_	2.8	U		P_
7440-22-4	Silver___	1.2	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

CLIENT_ID_=_27SW127

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW128

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL394.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.
27SW128

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL394.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.

27SW128

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00492.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	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	2	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.

27SW128

Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00492.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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	1	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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW128

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00492.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.3 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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68411

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27684 SAS No.: SDG No.: 27684B

Matrix (soil/water): WATER Lab Sample ID: 27684.11

Level (low/med): LOW Date Received: 11/19/96

% 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	2.5	U		P
7440-39-3	Barium	52.8			P
7440-43-9	Cadmium	2.1	B		P
7440-47-3	Chromium	0.80	U		P
7439-92-1	Lead	1.7	U		P
7439-97-6	Mercury	1.5			AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW128

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.43

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16847.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/05/96

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	
67-64-1	ACETONE	19	
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	2	J
107-06-2	1 2-DICHLOROETHANE	5	U
78-93-3	2-BUTANONE	5	
71-55-6	1 1 1-TRICHLOROETHANE	5	U
56-23-5	CARBON TETRACHLORIDE	5	U
75-27-4	BROMODICHLOROMETHANE	3	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	3	J
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	2	J
108-10-1	4-METHYL-2-PENTANONE	3	J
591-78-6	2-HEXANONE	5	U
127-18-4	TETRACHLOROETHENE	5	U
108-88-3	TOLUENE	1	J
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	3	J
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	8	
95-47-6	o-XYLENE	3	J
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.
27SW129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.43

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16847.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/05/96

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	2	J
99-87-6	p-ISOPROPYLTOLUENE	5	U
91-20-3	NAPHTHALENE	9	
103-65-1	n-PROPYLBENZENE	4	J
87-61-6	1 2 3-TRICHLOROBENZENE	1	J
120-82-1	1 2 4-TRICHLOROBENZENE	5	U
95-63-6	1 2 4-TRIMETHYLBENZENE	13	
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.43

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3780.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	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.

27SW129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.43

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3780.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	2	J
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	2	J
120-12-7	Anthracene	10	U
84-74-2	Di-n-butylphthalate	1	J
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	1	J
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	18	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW129

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.43

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3780.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75843

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC SDG No.: 27758B
Lab Code: SWOK Case No.: SAS No.: Lab Sample ID: 27758.43
Matrix (soil/water): WATER Date Received: 11/23/96
Level (low/med): LOW
% 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	3.3	U		P
7440-39-3	Barium	68.6			P
7440-43-9	Cadmium	11.9			P
7440-47-3	Chromium	2.7	B		P
7439-92-1	Lead	2.3	B		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	4.1	B		P
7440-22-4	Silver	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT_ID:
27SW129

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW131

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL395.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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	3	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	4	J
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	1	J
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	10	
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	16	
95-47-6	o-XYLENE	8	
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.

27SW131

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.12

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL395.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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	21	
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	44	
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW131

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00523.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	10	U
100-51-6	Benzyl alcohol	5	J
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	2	J
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	3	J
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	1	J
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW131

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00523.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	2	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	10	U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW131

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.12

Sample wt/vol: 1000 (g/mL) ML Lab File ID: 000523.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68412

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK__ Case No.: 27684 SAS No.: _____ SDG No.: 27684B
Matrix (soil/water): WATER Lab Sample ID: 27684.12__
Level (low/med): LOW__ Date Received: 11/19/96
% 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__	2.5	U		P_
7440-39-3	Barium___	52.9			P_
7440-43-9	Cadmium__	1.6	B		P_
7440-47-3	Chromium_	0.80	U		P_
7439-92-1	Lead____	1.7	U		P_
7439-97-6	Mercury__	0.16	B		AV
7782-49-2	Selenium_	2.8	U		P_
7440-22-4	Silver___	1.2	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID_=_27SW131

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW132

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.13

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL396.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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.
27SW132

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.13

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL396.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. _____ Date Analyzed: 11/21/96

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	36	
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.

27SW132

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00524.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	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.

27SW132

b Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00524.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted:11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	1	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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW132

Lab Name: SWL-TULSA Contract: FT.HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27684

Matrix: (soil/water) WATER Lab Sample ID: 27684.13

Sample wt/vol: 1000 (g/mL) ML Lab File ID: O00524.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/20/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68413

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 27684B

Lab Code: SWOK__ Case No.: 27684 SAS No.: _____ Lab Sample ID: 27684.13__

Matrix (soil/water): WATER Date Received: 11/19/96

Level (low/med): LOW__

% 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__	2.5	U		P_
7440-39-3	Barium___	45.8			P_
7440-43-9	Cadmium__	0.64	B		P_
7440-47-3	Chromium_	0.88	B		P_
7439-92-1	Lead_____	2.8	B		P_
7439-97-6	Mercury__	0.34			AV
7782-49-2	Selenium_	2.8	U		P_
7440-22-4	Silver___	1.2	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

CLIENT_ID_=_27SW132

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW134

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL489.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	2	J
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	2	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	5	J
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	2	J
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	4	J
95-47-6	o-XYLENE	1	J
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.

27SW134

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL489.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	4	J
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	14	
108-67-8	1 3 5-TRIMETHYLBENZENE	3	J
74-97-5	BROMOCHLOROMETHANE	5	U

1B

EPA SAMPLE NO.

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

27SW134

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3730.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	8	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	2	J
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	2	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	2	J
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.

27SW134

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3730.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 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	4	J
117-84-0	Di-n-octylphthalate	18	
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW134

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3730.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. 0 dec. Date Extracted: 11/23/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/11/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 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

U.S. EPA - CLP

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

74611

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 27746 SAS No.: SDG No.: 27746B

Matrix (soil/water): WATER Lab Sample ID: 27746.11

Level (low/med): LOW Date Received: 11/22/96

% 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	5.1	B		P
7440-39-3	Barium	122			P
7440-43-9	Cadmium	6.7			P
7440-47-3	Chromium	37.4			P
7439-92-1	Lead	8.6			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW134

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE I

27SW135

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL713.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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	2	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	3	J
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	8	
79-34-5	1 1 2 2-TETRACHLOROETHANE	5	U
108-90-7	CHLOROBENZENE	5	U
100-41-4	ETHYL BENZENE	12	
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	65	
95-47-6	o-XYLENE	32	
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 N

27SW135

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.11

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL713.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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	6	
98-06-6	tert-BUTYLBENZENE	5	U
135-98-8	sec-BUTYLBENZENE	6	
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	8	
99-87-6	p-ISOPROPYLTOLUENE	19	
91-20-3	NAPHTHALENE	52	
103-65-1	n-PROPYLBENZENE	18	
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	200	
108-67-8	1 3 5-TRIMETHYLBENZENE	100	
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SW135

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P10897.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/10/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 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	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	37	
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	46	
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: 27SW135

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P10897.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/10/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 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	2	J
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	10	U
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: 27SW135

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28008

Matrix: (soil/water) WATER Lab Sample ID: 28008.11

Sample wt/vol: 1000 (g/mL) ML Lab File ID: P10897.D

Level: (low/med) LOW Date Received: 12/17/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/10/97

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 8.0 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
95-9403	1,2,4,5-Tetrachlorobenzene	10	U

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

00811

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK__ Case No.: 28008 SAS No.: _____ SDG No.: 28008_
Matrix (soil/water): WATER Lab Sample ID: 28008.11__
Level (low/med): LOW__ Date Received: 12/17/96
% 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	11.2			P
7440-39-3	Barium	187			P
7440-43-9	Cadmium	12.9			P
7440-47-3	Chromium	29.6			P
7439-92-1	Lead	22.5		*	P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

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

Comments:
CLIENT_ID_=_27SW135

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW136

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL717.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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	2	J
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	2	J
75-25-2	BROMOFORM	6	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	2	J
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.

27SW136

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.03

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL717.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. _____ Date Analyzed: 12/20/96

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	4	J
103-65-1	n-PROPYLBENZENE	1	J
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	2	J
108-67-8	1 3 5-TRIMETHYLBENZENE	5	J
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW136

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK814.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

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/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	4	J
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	7	J
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.

27SW136

Lab Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK814.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted: 12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

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/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	10	J
117-84-0	Di-n-octylphthalate	2	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW136

b Name: SWL-TULSA Contract: FT. HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 28014

Matrix: (soil/water) WATER Lab Sample ID: 28014.03

Sample wt/vol: 1000 (g/mL) ML Lab File ID: FFK814.D

Level: (low/med) LOW Date Received: 12/18/96

% Moisture: not dec. 0 dec. Date Extracted:12/18/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 01/07/97

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/L	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

FORM I SV-3

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

01403

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: 28014 SAS No.: SDG No.: 28014B

Matrix (soil/water): WATER Lab Sample ID: 28014.03

Level (low/med): LOW Date Received: 12/18/96

% 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	5.5	B		P
7440-39-3	Barium	104			P
7440-43-9	Cadmium	11.9			P
7440-47-3	Chromium	12.8			P
7439-92-1	Lead	20.1			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID = 27SW136

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW137

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL499.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	16	
75-35-4	1 1-DICHLOROETHENE	5	U
75-34-3	1 1-DICHLOROETHANE	5	U
67-66-3	CHLOROFORM	2	J
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	4	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	2	J
79-00-5	1 1 2-TRICHLOROETHANE	5	U
71-43-2	BENZENE	5	U
75-25-2	BROMOFORM	1	J
108-10-1	4-METHYL-2-PENTANONE	2	J
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	1	J
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.
27SW137

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27746

Matrix: (soil/water) WATER Lab Sample ID: 27746.22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL499.D

Level: (low/med) LOW Date Received: 11/22/96

% Moisture: not dec. _____ Date Analyzed: 12/02/96

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	3	J
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	3	J
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO

27SW137

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.20

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16195.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	1	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	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW137

b Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.20

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16195.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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

27SW137

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27685

Matrix: (soil/water) WATER Lab Sample ID: 27685.20

Sample wt/vol: 1000 (g/mL) ML Lab File ID: V16195.D

Level: (low/med) LOW Date Received: 11/19/96

% Moisture: not dec. 0 dec. Date Extracted: 11/21/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/09/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.4 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

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1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

68520

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC SDG No.: 27685B

Lab Code: SWOK Case No.: 27685 SAS No.: Lab Sample ID: 27685.20

Matrix (soil/water): WATER Date Received: 11/19/96

Level (low/med): LOW

% 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	2.5	U		P
7440-39-3	Barium	47.0			P
7440-43-9	Cadmium	1.8	B		P
7440-47-3	Chromium	2.8	B		P
7439-92-1	Lead	3.6			P
7439-97-6	Mercury	0.15	B		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.2	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID_=_27SW137

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16821.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

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	2	J
67-64-1	ACETONE	27	
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	15	
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	9	
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.
27SW138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.23

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16821.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

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.

27SW138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.23

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3767.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

DV

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	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	2	J 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	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	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.

27SW138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.23

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3767.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

DV

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	J U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW138

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.23

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3767.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75823

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 27758B

Matrix (soil/water): WATER Lab Sample ID: 27758.23

Level (low/med): LOW Date Received: 11/23/96

% 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	3.3	U		P
7440-39-3	Barium	116			P
7440-43-9	Cadmium	6.8			P
7440-47-3	Chromium	1.6	B		P
7439-92-1	Lead	2.7	B		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	3.2	B		P
7440-22-4	Silver	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID:

27SW138

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL510.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/03/96

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	22	
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	1	J
78-87-5	1 2-DICHLOROPROPANE	5	U
79-01-6	TRICHLOROETHENE	5	U
124-48-1	DIBROMOCHLOROMETHANE	2	J
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	2	J
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.
27SW139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.22

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: UL510.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/03/96

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	2	J
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	3	J
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3766.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 Dilution Factor: 1.0

DVL

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	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	4	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	1	J
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	3	J
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

U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3766.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	10	U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW139

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.22

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3766.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75822

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC SDG No.: 27758B
Lab Code: SWOK Case No.: SAS No.: Lab Sample ID: 27758.22
Matrix (soil/water): WATER Date Received: 11/23/96
Level (low/med): LOW
% 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	5.9	B		P
7440-39-3	Barium	176			P
7440-43-9	Cadmium	5.7			P
7440-47-3	Chromium	21.4			P
7439-92-1	Lead	16.2			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	3.8	B		P
7440-22-4	Silver	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:
Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
CLIENT_ID:
27SW139

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.27

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16825.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

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	2	J
67-64-1	ACETONE	34	
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	1	J
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.

27SW140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.27

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16825.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

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.

27SW140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.27

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3771.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

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/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	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	1	J
65-85-0	Benzoic Acid	10	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	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.27

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3771.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

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/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	2	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW140

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.27

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3771.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

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/L	Q
95-94-3	1,2,4,5-Tetrachlorobenzene	10	U

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INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75827

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK__ Case No.: _____ SAS No.: _____ SDG No.: 27758B
Matrix (soil/water): WATER Lab Sample ID: 27758.27__
Level (low/med): LOW__ Date Received: 11/23/96
% 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	3.3	U		P
7440-39-3	Barium	110			P
7440-43-9	Cadmium	1.3	B		P
7440-47-3	Chromium	0.81	B		P
7439-92-1	Lead	1.4	U		P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	3.4	B		P
7440-22-4	Silver	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID: _____
27SW140 _____

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.40

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16811.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

Column: (pack/cap) CAP Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	CHLOROMETHANE	25	U
74-83-9	BROMOMETHANE	25	U
75-01-4	VINYL CHLORIDE	25	U
75-00-3	CHLOROETHANE	25	U
75-09-2	METHYLENE CHLORIDE	25	U
67-64-1	ACETONE	96	
75-35-4	1 1-DICHLOROETHENE	25	U
75-34-3	1 1-DICHLOROETHANE	25	U
67-66-3	CHLOROFORM	25	U
107-06-2	1 2-DICHLOROETHANE	25	U
78-93-3	2-BUTANONE	25	U
71-55-6	1 1 1-TRICHLOROETHANE	25	U
56-23-5	CARBON TETRACHLORIDE	25	U
75-27-4	BROMODICHLOROMETHANE	25	U
78-87-5	1 2-DICHLOROPROPANE	25	U
79-01-6	TRICHLOROETHENE	25	U
124-48-1	DIBROMOCHLOROMETHANE	25	U
79-00-5	1 1 2-TRICHLOROETHANE	25	U
71-43-2	BENZENE	480	
75-25-2	BROMOFORM	25	U
108-10-1	4-METHYL-2-PENTANONE	25	U
591-78-6	2-HEXANONE	25	U
127-18-4	TETRACHLOROETHENE	25	U
108-88-3	TOLUENE	25	
79-34-5	1 1 2 2-TETRACHLOROETHANE	25	U
108-90-7	CHLOROBENZENE	25	U
100-41-4	ETHYL BENZENE	120	
100-42-5	STYRENE	25	U
156-59-2	cis-1 2-DICHLOROETHENE	25	U
156-60-5	trans-1 2-DICHLOROETHENE	25	U
13-302-07	m,p-XYLENES	310	
95-47-6	o-XYLENE	25	J
106-93-4	1 2-DIBROMOETHANE	25	U
630-20-6	1 1 1 2-TETRACHLOROETHANE	25	U

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.40

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16811.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

Column: (pack/cap) CAP Dilution Factor: 5.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
96-18-4	1 2 3-TRICHLOROPROPANE	25	U
75-71-8	DICHLORODIFLUOROMETHANE	25	U
75-69-4	TRICHLOROFLUOROMETHANE	25	U
74-95-3	DIBROMOMETHANE	25	U
96-12-8	1 2-DIBROMO-3-CHLOROPROPANE	25	U
108-86-1	BROMOBENZENE	25	U
104-51-8	n-BUTYLBENZENE	25	U
98-06-6	tert-BUTYLBENZENE	25	U
135-98-8	sec-BUTYLBENZENE	25	U
95-49-8	2-CHLOROTOLUENE	25	U
106-43-4	4-CHLOROTOLUENE	25	U
95-50-1	1 2-DICHLOROBENZENE	25	U
541-73-1	1 3-DICHLOROBENZENE	25	U
106-46-7	1 4-DICHLOROBENZENE	25	U
142-28-9	1 3-DICHLOROPROPANE	25	U
594-20-7	2 2-DICHLOROPROPANE	25	U
563-58-6	1 1-DICHLOROPROPENE	25	U
87-68-3	HEXACHLOROBUTADIENE	25	U
98-82-8	ISOPROPYLBENZENE	9	J
99-87-6	p-ISOPROPYLTOLUENE	25	U
91-20-3	NAPHTHALENE	60	
103-65-1	n-PROPYLBENZENE	12	J
87-61-6	1 2 3-TRICHLOROBENZENE	25	U
120-82-1	1 2 4-TRICHLOROBENZENE	25	U
95-63-6	1 2 4-TRIMETHYLBENZENE	110	
108-67-8	1 3 5-TRIMETHYLBENZENE	48	
74-97-5	BROMOCHLOROMETHANE	25	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.40

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3777.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 Dilution Factor: 1.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	43	
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	7	J
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	36	
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	8	J
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.

27SW141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.40

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3777.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 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	3	J
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	4	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW141

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.40

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3777.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.2 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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75840

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____
Lab Code: SWOK__ Case No.: _____ SAS No.: _____ SDG No.: 27758B
Matrix (soil/water): WATER Lab Sample ID: 27758.40__
Level (low/med): LOW__ Date Received: 11/23/96
% 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	21.3			P
7440-39-3	Barium	134			P
7440-43-9	Cadmium	0.40	U		P
7440-47-3	Chromium	0.80	U		P
7439-92-1	Lead	3.4			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.8	U		P
7440-22-4	Silver	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____
Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:
CLIENT_ID: _____
27SW141 _____

FORM I - IN

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.41

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16818.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

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	2	J
67-64-1	ACETONE	14	
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	1	J
78-93-3	2-BUTANONE	7	
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.
27SW142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.41

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16818.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

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.

27SW142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.41

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3778.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	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	50	U
65-85-0	Benzoic Acid	10	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	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	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.

27SW142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.41

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3778.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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	2	J
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	4	J
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW142

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.41

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3778.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.6 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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75841

Lab Name: SOUTHWEST_LAB_OF_OK Contract: SAIC

Lab Code: SWOK Case No.: SAS No.: SDG No.: 27758B

Matrix (soil/water): WATER Lab Sample ID: 27758.41

Level (low/med): LOW Date Received: 11/23/96

% 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	3.3	U		P
7440-39-3	Barium	56.5			P
7440-43-9	Cadmium	4.9	B		P
7440-47-3	Chromium	4.8	B		P
7439-92-1	Lead	5.5			P
7439-97-6	Mercury	0.10	U		AV
7782-49-2	Selenium	2.9	B		P
7440-22-4	Silver	1.9	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

CLIENT_ID:

27SW142

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.38

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16832.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

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	1	J
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	4	J
13-302-07	m,p-XYLENES	2	J
95-47-6	o-XYLENE	5	U
106-93-4	1 2-DIBROMOETHANE	5	U
630-20-6	1 1 1 2-TETRACHLOROETHANE		

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
27SW143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.38

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: K16832.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. _____ Date Analyzed: 12/04/96

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	10	
108-67-8	1 3 5-TRIMETHYLBENZENE	5	U
74-97-5	BROMOCHLOROMETHANE	5	U

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.38

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3775.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	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	2	J
65-85-0	Benzoic Acid	10	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	2	J
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	50	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	50	U
88-74-4	2-Nitroaniline	10	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene		

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.38

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3775.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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	10	U
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	50	U

1C

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

27SW143

Lab Name: SWL-TULSA Contract: FT HOOD

Lab Code: SWOK Case No.: SAIC SAS No.: SDG No.: 27758

Matrix: (soil/water) WATER Lab Sample ID: 27758.38

Sample wt/vol: 1000 (g/mL) ML Lab File ID: M3775.D

Level: (low/med) LOW Date Received: 11/23/96

% Moisture: not dec. 0 dec. Date Extracted: 11/25/96

Extraction: (SepF/Cont/Sonc) CONT Date Analyzed: 12/12/96

Concentrated Extract Volume: 1000(uL)

GPC Cleanup: (Y/N) N pH: 7.5 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

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

75838

Lab Name: SOUTHWEST_LAB_OF_OK_____ Contract: SAIC_____ SDG No.: 27758B
Lab Code: SWOK__ Case No.: _____ SAS No.: _____ Lab Sample ID: 27758.38__
Matrix (soil/water): WATER Date Received: 11/23/96
Level (low/med): LOW__
% 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__	3.3	U		P_
7440-39-3	Barium___	74.7			P_
7440-43-9	Cadmium__	1.0	B		P_
7440-47-3	Chromium_	0.86	B		P_
7439-92-1	Lead____	1.4	U		P_
7439-97-6	Mercury__	0.10	U		AV
7782-49-2	Selenium_	2.8	U		P_
7440-22-4	Silver___	1.9	U		P_

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
CLIENT_ID:
27SW143

* 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 or 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/Aroclor 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.

Location: SB101
Sample ID: 27SB101 **Depth:** 0.0-0.5
COE Sample ID: FH027-SB101/03-21-98/0.0-0.5
Date Collected: 3/21/98

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.2	0.36			mg/kg	SW846 6010
Barium	7440-39-3	24.4	0.07			mg/kg	SW846 6010
Cadmium	7440-43-9	0.16	0.058	B		mg/kg	SW846 6010
Chromium	7440-47-3	5	0.081			mg/kg	SW846 6010
Lead	7439-92-1	3.8	0.21			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	NU	UJ	mg/kg	SW846 7471
Selenium	7782-49-2	0.25	0.25	WU	UJ	mg/kg	SW846 7740
Silver	7440-22-4	0.2	0.2	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	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	43	380	JB	UJ	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: 27SB101 **Depth:** 0.0-0.5
COE Sample ID: FH027-SB101/03-21-98/0.0-0.5
Date Collected: 3/21/98

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	140	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: SB101
Sample ID: 27SB101 **Depth:** 0.0-0.5
COE Sample ID: FH027-SB101/03-21-98/0.0-0.5
Date Collected: 3/21/98

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	19	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	6.0	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: SW101
Sample ID: 27SD101 **Depth:** NA
COE Sample ID: FH027-SD101/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5	0.54			mg/kg	SW846 6010
Barium	7440-39-3	56.9	0.13			mg/kg	SW846 6010
Cadmium	7440-43-9	4.1	0.06			mg/kg	SW846 6010
Chromium	7440-47-3	12.5	0.13			mg/kg	SW846 6010
Lead	7439-92-1	20	0.23			mg/kg	SW846 6010
Mercury	7439-97-6	0.05	0.05	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.72	0.49	B	U	mg/kg	SW846 6010
Silver	7440-22-4	0.31	0.31	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	530	530	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	530	530	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	530	530	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	530	530	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	530	530	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	530	530	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2600	2600	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	530	530	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	530	530	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	530	530	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2600	2600	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	530	530	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	530	530	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	530	530	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	530	530	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	530	530	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	530	530	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2600	2600	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	530	530	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	1100	1100	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2600	2600	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2600	2600	U		ug/kg	SW846 8270

Location: SW101
Sample ID: 27SD101 **Depth:** NA
COE Sample ID: FH027-SD101/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Bromophenyl-phenyl Ether	101-55-3	530	530	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	530	530	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	530	530	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	530	530	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	530	530	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2600	2600	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2600	2600	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	530	530	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	530	530	U		ug/kg	SW846 8270
Anthracene	120-12-7	530	530	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	59	530	J		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	530	530	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	82	530	J		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	60	530	J		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	530	530	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	330	2600	J		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	530	530	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	530	530	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	530	530	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	320	530	J		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	530	530	U		ug/kg	SW846 8270
Chrysene	218-01-9	71	530	J		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	530	530	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	530	530	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	530	530	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	530	530	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	530	530	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	530	530	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	86	530	J		ug/kg	SW846 8270
Fluorene	86-73-7	530	530	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	530	530	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	530	530	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	530	530	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	530	530	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	530	530	U		ug/kg	SW846 8270
Isophorone	78-59-1	530	530	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	530	530	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	530	530	U		ug/kg	SW846 8270
Naphthalene	91-20-3	530	530	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	530	530	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2600	2600	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	530	530	U		ug/kg	SW846 8270
Phenol	108-95-2	530	530	U		ug/kg	SW846 8270
Pyrene	129-00-0	84	530	J		ug/kg	SW846 8270
Pyridine	110-86-1	530	530	U		ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	8	8	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	8	8	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	8	8	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	8	8	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	8	8	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	8	8	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	8	8	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	8	8	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	8	8	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	8	8	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	8	8	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	8	8	U	U	ug/kg	SW846 8260

Location: SW101
Sample ID: 27SD101 **Depth:** NA
COE Sample ID: FH027-SD101/11-17-96
Date Collected: 11/17/96

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

Location: SW101
Sample ID: 27SW101 **Depth:** NA
COE Sample ID: FH027-SW101/11-17-96
Date Collected: 11/17/96

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	52.6	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	1.7	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	1.4	0.80	B		ug/l	SW846 6010

Location: SW101
Sample ID: 27SW101 **Depth:** NA
COE Sample ID: FH027-SW101/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Lead	7439-92-1	3.6	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.15	0.10	B		ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	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	4	50	J	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	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

Location: SW101
Sample ID: 27SW101 **Depth:** NA
COE Sample ID: FH027-SW101/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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
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
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	8	5		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

Location: SW101
Sample ID: 27SW101 **Depth:** NA
COE Sample ID: FH027-SW101/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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: SW102
Sample ID: 27SD102 **Depth:** NA
COE Sample ID: FH027-SD102/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	6.2	0.43			mg/kg	SW846 6010
Barium	7440-39-3	18.5	0.10			mg/kg	SW846 6010
Cadmium	7440-43-9	0.16	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	9.8	0.10			mg/kg	SW846 6010
Lead	7439-92-1	6.6	0.18			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.53	0.39	B	U	mg/kg	SW846 6010
Silver	7440-22-4	0.25	0.25	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	430	430	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	430	430	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	430	430	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	430	430	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	430	430	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	430	430	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2100	2100	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	430	430	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	430	430	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	430	430	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2100	2100	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	430	430	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	430	430	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	430	430	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	430	430	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	430	430	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	430	430	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2100	2100	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	430	430	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	870	870	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2100	2100	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2100	2100	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	430	430	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	430	430	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	430	430	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	430	430	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	430	430	U		ug/kg	SW846 8270

Location: SW102
Sample ID: 27SD102 **Depth:** NA
COE Sample ID: FH027-SD102/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Nitroaniline	100-01-6	2100	2100	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2100	2100	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	430	430	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	430	430	U		ug/kg	SW846 8270
Anthracene	120-12-7	430	430	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	430	430	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	430	430	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	430	430	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	430	430	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	430	430	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	2100	2100	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	430	430	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	430	430	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	430	430	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	430	430	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	430	430	U		ug/kg	SW846 8270
Chrysene	218-01-9	430	430	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	430	430	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	430	430	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	430	430	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	430	430	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	430	430	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	430	430	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	430	430	U		ug/kg	SW846 8270
Fluorene	86-73-7	430	430	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	430	430	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	430	430	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	430	430	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	430	430	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	430	430	U		ug/kg	SW846 8270
Isophorone	78-59-1	430	430	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	430	430	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	430	430	U		ug/kg	SW846 8270
Naphthalene	91-20-3	430	430	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	430	430	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2100	2100	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	430	430	U		ug/kg	SW846 8270
Phenol	108-95-2	430	430	U		ug/kg	SW846 8270
Pyrene	129-00-0	430	430	U		ug/kg	SW846 8270
Pyridine	110-86-1	430	430	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

Location: SW102
Sample ID: 27SD102 **Depth:** NA
COE Sample ID: FH027-SD102/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	J	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: SW102
Sample ID: 27SW102 **Depth:** NA
COE Sample ID: FH027-SW102/11-17-96
Date Collected: 11/17/96

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	43.8	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	3.7	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.12	0.10	B		ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	U		ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U		ug/l	SW846 6010

Location: SW102
Sample ID: 27SW102 **Depth:** NA
COE Sample ID: FH027-SW102/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	2	50	J	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	1	10	J	J	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

Location: SW102
Sample ID: 27SW102 **Depth:** NA
COE Sample ID: FH027-SW102/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240

Location: SW102
Sample ID: 27SW102 **Depth:** NA
COE Sample ID: FH027-SW102/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW103
Sample ID: 27SD103 **Depth:** NA
COE Sample ID: FH027-SD103/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.3	0.44			mg/kg	SW846 6010
Barium	7440-39-3	24.7	0.11			mg/kg	SW846 6010
Cadmium	7440-43-9	0.19	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	7.3	0.11			mg/kg	SW846 6010
Lead	7439-92-1	7.4	0.19			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.57	0.40	B	U	mg/kg	SW846 6010
Silver	7440-22-4	0.25	0.25	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	440	440	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	440	440	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	440	440	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	440	440	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	440	440	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	440	440	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2100	2100	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	440	440	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	440	440	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	440	440	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2100	2100	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	440	440	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	440	440	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	440	440	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	440	440	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	440	440	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	440	440	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2100	2100	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	440	440	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	880	880	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2100	2100	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2100	2100	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	440	440	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	440	440	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	440	440	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	440	440	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	440	440	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2100	2100	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2100	2100	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	440	440	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	440	440	U		ug/kg	SW846 8270
Anthracene	120-12-7	440	440	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	440	440	U		ug/kg	SW846 8270

Location: SW103
Sample ID: 27SD103 **Depth:** NA
COE Sample ID: FH027-SD103/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Benzo(a)pyrene	50-32-8	440	440	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	53	440	J		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	440	440	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	440	440	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	2100	2100	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	440	440	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	440	440	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	440	440	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	440	440	U		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	440	440	U		ug/kg	SW846 8270
Chrysene	218-01-9	440	440	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	440	440	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	440	440	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	440	440	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	440	440	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	440	440	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	440	440	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	58	440	J		ug/kg	SW846 8270
Fluorene	86-73-7	440	440	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	440	440	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	440	440	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	440	440	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	440	440	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	440	440	U		ug/kg	SW846 8270
Isophorone	78-59-1	440	440	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	440	440	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	440	440	U		ug/kg	SW846 8270
Naphthalene	91-20-3	440	440	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	440	440	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2100	2100	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	440	440	U		ug/kg	SW846 8270
Phenol	108-95-2	440	440	U		ug/kg	SW846 8270
Pyrene	129-00-0	440	440	U		ug/kg	SW846 8270
Pyridine	110-86-1	440	440	U		ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	7	7	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	7	7	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	7	7	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	7	7	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	7	7	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	7	7	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	7	7	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	4	7	J	J	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	7	7	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	7	7	U	U	ug/kg	SW846 8260

Location: SW103
Sample ID: 27SD103 **Depth:** NA
COE Sample ID: FH027-SD103/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Chlorotoluene	106-43-4	7	7	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	7	7	U	U	ug/kg	SW846 8260
Acetone	67-64-1	200	7	B	U	ug/kg	SW846 8260
Benzene	71-43-2	7	7	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	7	7	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	7	7	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	7	7	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	7	7	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	7	7	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	7	7	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	7	7	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	7	7	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	7	7	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	7	7	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	7	7	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	7	7	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	7	7	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	7	7	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	7	7	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	7	7	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	7	7	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	7	7	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	7	7	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	7	7	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	7	7	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	7	7	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	7	7	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	7	7	U	U	ug/kg	SW846 8260
Styrene	100-42-5	7	7	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	7	7	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	7	7	U	U	ug/kg	SW846 8260
Toluene	108-88-3	7	7	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	7	7	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	7	7	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	7	7	U	U	ug/kg	SW846 8260

Location: SW103
Sample ID: 27SW103 **Depth:** NA
COE Sample ID: FH027-SW103/11-17-96
Date Collected: 11/17/96

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	32.5	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	3.7	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	2.8	2.8	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	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

Location: SW103
Sample ID: 27SW103 **Depth:** NA
COE Sample ID: FH027-SW103/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	2	50	J	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	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	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: SW103
Sample ID: 27SW103 **Depth:** NA
COE Sample ID: FH027-SW103/11-17-96
Date Collected: 11/17/96

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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW104
Sample ID: 27SD104 **Depth:** NA
COE Sample ID: FH027-SD104/11-19-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	6.5	0.43	*		mg/kg	SW846 6010
Barium	7440-39-3	64.8	0.05			mg/kg	SW846 6010
Cadmium	7440-43-9	3.2	0.09			mg/kg	SW846 6010
Chromium	7440-47-3	19.2	0.14			mg/kg	SW846 6010
Lead	7439-92-1	63.8	0.29			mg/kg	SW846 6010
Mercury	7439-97-6	0.03	0.03	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.48	0.48	U		mg/kg	SW846 6010
Silver	7440-22-4	0.21	0.21	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	570	570	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	570	570	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	570	570	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	570	570	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	570	570	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	570	570	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2800	2800	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	570	570	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	570	570	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	570	570	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2800	2800	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	570	570	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	570	570	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	570	570	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	570	570	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	570	570	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	570	570	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2800	2800	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	570	570	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	1100	1100	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2800	2800	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2800	2800	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	570	570	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	570	570	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	570	570	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	570	570	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	570	570	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2800	2800	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2800	2800	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	570	570	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	570	570	U		ug/kg	SW846 8270
Anthracene	120-12-7	570	570	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	570	570	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	180	570	J		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	570	570	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	570	570	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	570	570	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	2800	2800	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	570	570	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	570	570	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	570	570	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	540	570	J		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	570	570	U		ug/kg	SW846 8270
Chrysene	218-01-9	78	570	J		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	570	570	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	570	570	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	570	570	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	570	570	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	570	570	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	570	570	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	67	570	J		ug/kg	SW846 8270

Location: SW104
Sample ID: 27SD104 **Depth:** NA
COE Sample ID: FH027-SD104/11-19-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	69	570	J		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	570	570	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	570	570	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	570	570	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	570	570	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	570	570	U		ug/kg	SW846 8270
Isophorone	78-59-1	570	570	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	570	570	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	570	570	U		ug/kg	SW846 8270
Naphthalene	91-20-3	570	570	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	570	570	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2800	2800	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	120	570	J		ug/kg	SW846 8270
Phenol	108-95-2	570	570	U		ug/kg	SW846 8270
Pyrene	129-00-0	83	570	J		ug/kg	SW846 8270
Pyridine	110-86-1	570	570	U		ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	9	9	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	9	9	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	9	9	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	9	9	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	9	9	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	9	9	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	9	9	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	9	9	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	9	9	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	9	9	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	9	9	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	9	9	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	9	9	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	9	9	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	9	9	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	9	9	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	9	9	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	9	9	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	9	9	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	9	9	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	9	9	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	9	9	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	9	9	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	9	9	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	9	9	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	9	9	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	9	9	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	9	9	U	U	ug/kg	SW846 8260
Acetone	67-64-1	22	9	B	U	ug/kg	SW846 8260
Benzene	71-43-2	9	9	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	9	9	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	9	9	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	9	9	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	9	9	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	9	9	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	9	9	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	9	9	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	9	9	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	5	9	J	J	ug/kg	SW846 8260
Chloromethane	74-87-3	9	9	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	9	9	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	9	9	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	9	9	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	9	9	U	U	ug/kg	SW846 8260

Location: SW104
Sample ID: 27SD104 **Depth:** NA
COE Sample ID: FH027-SD104/11-19-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	9	9	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	9	9	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	9	9	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	4	9	J	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	9	9	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	9	9	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	9	9	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	9	9	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	9	9	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	9	9	U	U	ug/kg	SW846 8260
Styrene	100-42-5	9	9	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	9	9	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	9	9	U	U	ug/kg	SW846 8260
Toluene	108-88-3	9	9	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	9	9	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	9	9	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	9	9	U	U	ug/kg	SW846 8260

Location: SW104
Sample ID: 27SW104 **Depth:** NA
COE Sample ID: FH027-SW104/11-19-96
Date Collected: 11/19/96

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	38.8	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	0.8	0.80	U		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	2.8	2.8	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	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

Location: SW104
Sample ID: 27SW104 **Depth:** NA
COE Sample ID: FH027-SW104/11-19-96
Date Collected: 11/19/96

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	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	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	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
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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240

Location: SW104
Sample ID: 27SW104 **Depth:** NA
COE Sample ID: FH027-SW104/11-19-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW105
Sample ID: 27SD105 **Depth:** NA
COE Sample ID: FH027-SD105/11-19-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.7	0.41	*		mg/kg	SW846 6010
Barium	7440-39-3	71.6	0.05			mg/kg	SW846 6010
Cadmium	7440-43-9	1.2	0.08			mg/kg	SW846 6010
Chromium	7440-47-3	14.2	0.13			mg/kg	SW846 6010
Lead	7439-92-1	36.2	0.28			mg/kg	SW846 6010

Location: SW105
Sample ID: 27SD105 **Depth:** NA
COE Sample ID: FH027-SD105/11-19-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Mercury	7439-97-6	0.03	0.03	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.46	0.46	U		mg/kg	SW846 6010
Silver	7440-22-4	0.2	0.20	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	540	540	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	540	540	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	540	540	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	540	540	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	540	540	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	540	540	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2600	2600	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	540	540	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	540	540	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	540	540	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2600	2600	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	540	540	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	540	540	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	540	540	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	540	540	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	58	540	J		ug/kg	SW846 8270
2-Methylphenol	95-48-7	540	540	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2600	2600	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	540	540	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	1100	1100	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2600	2600	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2600	2600	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	540	540	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	540	540	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	540	540	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	540	540	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	540	540	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2600	2600	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2600	2600	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	540	540	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	540	540	U		ug/kg	SW846 8270
Anthracene	120-12-7	540	540	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	540	540	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	220	540	J		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	540	540	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	540	540	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	540	540	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	2600	2600	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	540	540	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	540	540	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	540	540	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	440	540	J		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	540	540	U		ug/kg	SW846 8270
Chrysene	218-01-9	74	540	J		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	540	540	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	540	540	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	540	540	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	540	540	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	540	540	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	540	540	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	86	540	J		ug/kg	SW846 8270
Fluorene	86-73-7	70	540	J		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	540	540	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	540	540	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	540	540	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	540	540	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	540	540	U		ug/kg	SW846 8270

Location: SW105
Sample ID: 27SD105 **Depth:** NA
COE Sample ID: FH027-SD105/11-19-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Isophorone	78-59-1	540	540	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	540	540	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	540	540	U		ug/kg	SW846 8270
Naphthalene	91-20-3	540	540	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	540	540	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2600	2600	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	80	540	J		ug/kg	SW846 8270
Phenol	108-95-2	540	540	U		ug/kg	SW846 8270
Pyrene	129-00-0	110	540	J		ug/kg	SW846 8270
Pyridine	110-86-1	540	540	U		ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	8	8	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	8	8	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	8	8	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	8	8	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	8	8	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	8	8	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	8	8	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	8	8	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	8	8	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	8	8	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	8	8	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	8	8	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	8	8	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	8	8	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	8	8	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	8	8	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	8	8	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	8	8	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	8	8	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	8	8	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	14	8			ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	8	8	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	8	8	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	8	8	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	8	8	U	U	ug/kg	SW846 8260
Acetone	67-64-1	45	8	B	U	ug/kg	SW846 8260
Benzene	71-43-2	8	8	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	8	8	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	8	8	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	8	8	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	8	8	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	8	8	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	8	8	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	8	8	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	8	8	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	8	8	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	8	8	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	8	8	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	8	8	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	8	8	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	8	8	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	8	8	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	8	8	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	8	8	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	8	8	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	8	8	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	8	8	U	U	ug/kg	SW846 8260

Location: SW105
Sample ID: 27SD105 **Depth:** NA
COE Sample ID: FH027-SD105/11-19-96
Date Collected: 11/19/96

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

Location: SW105
Sample ID: 27SW105 **Depth:** NA
COE Sample ID: FH027-SW105/11-19-96
Date Collected: 11/19/96

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	34.2	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	0.81	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	2.8	2.8	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	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

Location: SW105
Sample ID: 27SW105 **Depth:** NA
COE Sample ID: FH027-SW105/11-19-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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	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
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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240

Location: SW105
Sample ID: 27SW105 **Depth:** NA
COE Sample ID: FH027-SW105/11-19-96
Date Collected: 11/19/96

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

Location: SW106
Sample ID: 27SD106 **Depth:** NA
COE Sample ID: FH027-SD106/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.4	0.49			mg/kg	SW846 6010
Barium	7440-39-3	81.8	0.12			mg/kg	SW846 6010
Cadmium	7440-43-9	0.33	0.06	B		mg/kg	SW846 6010
Chromium	7440-47-3	12.8	0.12			mg/kg	SW846 6010
Lead	7439-92-1	12.1	0.21			mg/kg	SW846 6010
Mercury	7439-97-6	0.05	0.05	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.44	0.44	U		mg/kg	SW846 6010
Silver	7440-22-4	0.28	0.28	U		mg/kg	SW846 6010

Location: SW106
Sample ID: 27SD106 **Depth:** NA
COE Sample ID: FH027-SD106/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	480	480	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	480	480	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	480	480	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	480	480	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	480	480	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	480	480	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2400	2400	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	480	480	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	480	480	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	480	480	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2400	2400	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	480	480	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	480	480	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	480	480	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	480	480	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	480	480	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	480	480	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2400	2400	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	480	480	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	970	970	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2400	2400	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2400	2400	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	480	480	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	480	480	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	480	480	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	480	480	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	480	480	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2400	2400	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2400	2400	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	480	480	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	480	480	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	480	480	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	480	480	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	150	480	J	J	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	480	480	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	480	480	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	480	480	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	100	480	J	J	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	480	480	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	480	480	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	480	480	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	90	480	JB	U	ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	480	480	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	480	480	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	480	480	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	480	480	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	480	480	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	480	480	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	480	480	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	480	480	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	480	480	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	480	480	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	480	480	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	480	480	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	480	480	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	480	480	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	480	480	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	480	480	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	480	480	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	480	480	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	480	480	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	480	480	U	U	ug/kg	SW846 8270

Location: SW106
Sample ID: 27SD106 **Depth:** NA
COE Sample ID: FH027-SD106/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Pentachlorophenol	87-86-5	2400	2400	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	480	480	U	U	ug/kg	SW846 8270
Phenol	108-95-2	480	480	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	480	480	U	U	ug/kg	SW846 8270
Pyridine	110-86-1	480	480	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	7	7	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	7	7	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	7	7	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	7	7	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	7	7	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	7	7	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	7	7	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	9	7			ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	7	7	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	7	7	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	7	7	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	7	7	U	U	ug/kg	SW846 8260
Acetone	67-64-1	42	7	B		ug/kg	SW846 8260
Benzene	71-43-2	7	7	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	7	7	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	7	7	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	7	7	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	7	7	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	7	7	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	7	7	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	7	7	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	7	7	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	7	7	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	7	7	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	7	7	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	7	7	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	7	7	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	7	7	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	7	7	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	7	7	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	7	7	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	7	7	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	7	7	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	7	7	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	7	7	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	7	7	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	7	7	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	7	7	U	U	ug/kg	SW846 8260
Styrene	100-42-5	7	7	U	U	ug/kg	SW846 8260

Location: SW106
Sample ID: 27SD106 **Depth:** NA
COE Sample ID: FH027-SD106/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
tert-Butylbenzene	98-06-6	7	7	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	7	7	U	U	ug/kg	SW846 8260
Toluene	108-88-3	7	7	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	7	7	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	7	7	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	7	7	U	U	ug/kg	SW846 8260

Location: SW106
Sample ID: 27SW106 **Depth:** NA
COE Sample ID: FH027-SW106/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.6	2.5	B	U	ug/l	SW846 6010
Barium	7440-39-3	39.9	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U	U	ug/l	SW846 6010
Chromium	7440-47-3	2.4	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	2.8	2.8	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		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

Location: SW106
Sample ID: 27SW106 **Depth:** NA
COE Sample ID: FH027-SW106/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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	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
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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240

Location: SW106
Sample ID: 27SW106 **Depth:** NA
COE Sample ID: FH027-SW106/11-20-96
Date Collected: 11/20/96

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

Location: SW107
Sample ID: 27SD107 **Depth:** NA
COE Sample ID: FH027-SD107/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.3	0.46			mg/kg	SW846 6010
Barium	7440-39-3	57.8	0.11			mg/kg	SW846 6010
Cadmium	7440-43-9	0.73	0.06			mg/kg	SW846 6010
Chromium	7440-47-3	11.7	0.11			mg/kg	SW846 6010
Lead	7439-92-1	11.1	0.20			mg/kg	SW846 6010
Mercury	7439-97-6	0.05	0.05	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.58	0.42	B	U	mg/kg	SW846 6010
Silver	7440-22-4	0.27	0.27	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	460	460	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	460	460	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	460	460	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	460	460	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	460	460	U		ug/kg	SW846 8270

Location: SW107
Sample ID: 27SD107 **Depth:** NA
COE Sample ID: FH027-SD107/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,2'-oxybis(1-chloropropane)	108-60-1	460	460	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2200	2200	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	460	460	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	460	460	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	460	460	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2200	2200	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	460	460	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	460	460	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	460	460	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	460	460	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	460	460	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	460	460	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2200	2200	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	460	460	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	920	920	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2200	2200	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2200	2200	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	460	460	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	460	460	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	460	460	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	460	460	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	460	460	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2200	2200	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2200	2200	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	460	460	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	460	460	U		ug/kg	SW846 8270
Anthracene	120-12-7	460	460	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	460	460	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	460	460	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	460	460	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	460	460	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	460	460	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	89	2200	J		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	460	460	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	460	460	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	460	460	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	110	460	J		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	460	460	U		ug/kg	SW846 8270
Chrysene	218-01-9	460	460	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	460	460	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	460	460	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	460	460	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	460	460	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	460	460	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	460	460	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	460	460	U		ug/kg	SW846 8270
Fluorene	86-73-7	460	460	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	460	460	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	460	460	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	460	460	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	460	460	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	460	460	U		ug/kg	SW846 8270
Isophorone	78-59-1	460	460	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	460	460	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	460	460	U		ug/kg	SW846 8270
Naphthalene	91-20-3	460	460	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	460	460	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2200	2200	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	460	460	U		ug/kg	SW846 8270
Phenol	108-95-2	460	460	U		ug/kg	SW846 8270
Pyrene	129-00-0	460	460	U		ug/kg	SW846 8270
Pyridine	110-86-1	460	460	U		ug/kg	SW846 8270

Location: SW107
Sample ID: 27SD107 **Depth:** NA
COE Sample ID: FH027-SD107/11-17-96
Date Collected: 11/17/96

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

Location: SW107
Sample ID: 27SW107 **Depth:** NA
COE Sample ID: FH027-SW107/11-17-96
Date Collected: 11/17/96

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	38.2	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	60.2	0.80			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	2.8	2.8	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	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	96	50			ug/l	SW846 8270
Benzyl Alcohol	100-51-6	8	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	JB	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

Location: SW107
Sample ID: 27SW107 **Depth:** NA
COE Sample ID: FH027-SW107/11-17-96
Date Collected: 11/17/96

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	10	10	U	U	ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240

Location: SW107
Sample ID: 27SW107 **Depth:** NA
COE Sample ID: FH027-SW107/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW108
Sample ID: 27SD108 **Depth:** NA
COE Sample ID: FH027-SD108/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4	0.42			mg/kg	SW846 6010
Barium	7440-39-3	54.8	0.10			mg/kg	SW846 6010
Cadmium	7440-43-9	0.09	0.05	B		mg/kg	SW846 6010
Chromium	7440-47-3	10.1	0.10			mg/kg	SW846 6010
Lead	7439-92-1	6.8	0.18			mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.38	0.38	U		mg/kg	SW846 6010
Silver	7440-22-4	0.24	0.24	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	410	410	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	410	410	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	410	410	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	410	410	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	410	410	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	410	410	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2000	2000	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	410	410	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	410	410	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	410	410	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2000	2000	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	410	410	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	410	410	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	410	410	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	410	410	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	410	410	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	410	410	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2000	2000	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	410	410	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	820	820	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2000	2000	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2000	2000	U		ug/kg	SW846 8270

Location: SW108
Sample ID: 27SD108 **Depth:** NA
COE Sample ID: FH027-SD108/11-17-96
Date Collected: 11/17/96

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

Location: SW108
Sample ID: 27SD108 **Depth:** NA
COE Sample ID: FH027-SD108/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	84	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
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: SW108
Sample ID: 27SW108 **Depth:** NA
COE Sample ID: FH027-SW108/11-17-96
Date Collected: 11/17/96

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	30.3	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	5.5	0.80	B		ug/l	SW846 6010

Location: SW108
Sample ID: 27SW108 **Depth:** NA
COE Sample ID: FH027-SW108/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Lead	7439-92-1	2.4	1.7	B		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	10	10	U		ug/l	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270B
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270B
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270B
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	50	50	U		ug/l	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270B
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270B
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270B
2,4-Dinitrophenol	51-28-5	50	50	U		ug/l	SW846 8270B
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270B
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270B
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270B
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270B
2-Methylnaphthalene	91-57-6	10	10	U		ug/l	SW846 8270B
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270B
2-Nitroaniline	88-74-4	50	50	U		ug/l	SW846 8270B
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270B
3-Nitroaniline	99-09-2	50	50	U		ug/l	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	50	50	U		ug/l	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270B
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270B
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270B
4-Methylphenol	106-44-5	10	10	U		ug/l	SW846 8270B
4-Nitroaniline	100-01-6	50	50	U		ug/l	SW846 8270B
4-Nitrophenol	100-02-7	50	50	U		ug/l	SW846 8270B
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270B
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270B
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270B
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270B
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270B
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270B
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270B
Benzoic Acid	65-85-0	2	50	J		ug/l	SW846 8270B
Benzyl Alcohol	100-51-6	10	10	U		ug/l	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U		ug/l	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270B
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270B
Di-n-butyl Phthalate	84-74-2	10	10	U		ug/l	SW846 8270B
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270B
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270B
Diethyl Phthalate	84-66-2	10	10	U		ug/l	SW846 8270B
Dimethyl Phthalate	131-11-3	10	10	U		ug/l	SW846 8270B
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270B
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270B
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270B
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270B
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270B

Location: SW108
Sample ID: 27SW108 **Depth:** NA
COE Sample ID: FH027-SW108/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270B
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270B
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270B
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270B
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270B
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270B
Phenol	108-95-2	10	10	U		ug/l	SW846 8270B
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270B
Pyridine	110-86-1	50	50	U		ug/l	SW846 8270B
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	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

Location: SW108
Sample ID: 27SW108 **Depth:** NA
COE Sample ID: FH027-SW108/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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: SW109
Sample ID: 27SW109 **Depth:** NA
COE Sample ID: FH027-SW109/11-22-96
Date Collected: 11/22/96

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	0.8	0.80	U		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	2.8	2.8	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	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	34	10			ug/l	SW846 8270

Location: SW109
Sample ID: 27SW109 **Depth:** NA
COE Sample ID: FH027-SW109/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	29	50	J		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	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	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
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	1	10	J		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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	1	5	J		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	3	5	J		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240

Location: SW109
Sample ID: 27SW109 **Depth:** NA
COE Sample ID: FH027-SW109/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5			ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	1	5	J		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	1	5	J		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	1	5	J		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW110
Sample ID: 27SW110 **Depth:** NA
COE Sample ID: FH027-SW110/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.9	2.5	B	U	ug/l	SW846 6010
Barium	7440-39-3	131	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	34.8	0.50			ug/l	SW846 6010
Chromium	7440-47-3	3.5	0.80	B	U	ug/l	SW846 6010
Lead	7439-92-1	4.2	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	U	U	ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U	U	ug/l	SW846 6010

Location: SW110
Sample ID: 27SW110 **Depth:** NA
COE Sample ID: FH027-SW110/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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	11	10			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	4	50	J	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	6	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	1	10	J	J	ug/l	SW846 8270
Naphthalene	91-20-3	3	10	J	J	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270

Location: SW110
Sample ID: 27SW110 **Depth:** NA
COE Sample ID: FH027-SW110/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	34	5			ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	3	5	J		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	3	5	J		ug/l	SW846 8240
Bromoform	75-25-2	1	5	J		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	1	5	J		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	2	5	J		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	7	5			ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240

Location: SW110
Sample ID: 27SW110 **Depth:** NA
COE Sample ID: FH027-SW110/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW111
Sample ID: 27SW111 **Depth:** NA
COE Sample ID: FH027-SW111/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4	2.5	B		ug/l	SW846 6010
Barium	7440-39-3	325	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	13.8	0.50			ug/l	SW846 6010
Chromium	7440-47-3	6.8	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	9.6	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 7470
Selenium	7782-49-2	2.8	2.8	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	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	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	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

Location: SW111
Sample ID: 27SW111 **Depth:** NA
COE Sample ID: FH027-SW111/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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	4	10	J	J	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	6	10	J	J	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	2	10	J	J	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	6	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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240

Location: SW111
Sample ID: 27SW111 **Depth:** NA
COE Sample ID: FH027-SW111/12-16-96
Date Collected: 12/16/96

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

Location: SW112
Sample ID: 27SW112 **Depth:** NA
COE Sample ID: FH027-SW112/12-14-96
Date Collected: 12/14/96

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	69.9	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	4.5	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	3.8	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	4.2	1.7	*	J	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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		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

Location: SW112
Sample ID: 27SW112 **Depth:** NA
COE Sample ID: FH027-SW112/12-14-96
Date Collected: 12/14/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	3	50	J		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	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	9	10	J		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	6	10	J		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	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	50	50	U		ug/l	SW846 8270

Location: SW112
Sample ID: 27SW112 **Depth:** NA
COE Sample ID: FH027-SW112/12-14-96
Date Collected: 12/14/96

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 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
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	6	5			ug/l	SW846 8240
Acetone	67-64-1	6	5		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	1	5	J	J	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	1	5	J	J	ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8240
Dibromochloromethane	124-48-1	4	5	J	J	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: SW113
Sample ID: 27SD113 **Depth:** NA
COE Sample ID: FH027-SD113/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.9	0.39			mg/kg	SW846 6010
Barium	7440-39-3	51.7	0.10			mg/kg	SW846 6010
Cadmium	7440-43-9	0.55	0.05	BE	J	mg/kg	SW846 6010
Chromium	7440-47-3	8.5	0.10	E	J	mg/kg	SW846 6010
Lead	7439-92-1	10	0.17	E	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.36	0.36	U	U	mg/kg	SW846 6010
Silver	7440-22-4	0.23	0.23	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	390	390	U		ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	390	390	U		ug/kg	SW846 8270B
1,2-Dichlorobenzene	95-50-1	390	390	U		ug/kg	SW846 8270B
1,3-Dichlorobenzene	541-73-1	390	390	U		ug/kg	SW846 8270B
1,4-Dichlorobenzene	106-46-7	390	390	U		ug/kg	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	390	390	U		ug/kg	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	1900	1900	U		ug/kg	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	390	390	U		ug/kg	SW846 8270B
2,4-Dichlorophenol	120-83-2	390	390	U		ug/kg	SW846 8270B
2,4-Dimethylphenol	105-67-9	390	390	U		ug/kg	SW846 8270B
2,4-Dinitrophenol	51-28-5	1900	1900	U		ug/kg	SW846 8270B
2,4-Dinitrotoluene	121-14-2	390	390	U		ug/kg	SW846 8270B
2,6-Dinitrotoluene	606-20-2	390	390	U		ug/kg	SW846 8270B
2-Chloronaphthalene	91-58-7	390	390	U		ug/kg	SW846 8270B
2-Chlorophenol	95-57-8	390	390	U		ug/kg	SW846 8270B
2-Methylnaphthalene	91-57-6	390	390	U		ug/kg	SW846 8270B
2-Methylphenol	95-48-7	390	390	U		ug/kg	SW846 8270B
2-Nitroaniline	88-74-4	1900	1900	U		ug/kg	SW846 8270B
2-Nitrophenol	88-75-5	390	390	U		ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	780	780	U		ug/kg	SW846 8270B
3-Nitroaniline	99-09-2	1900	1900	U		ug/kg	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	1900	1900	U		ug/kg	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	390	390	U		ug/kg	SW846 8270B
4-chloro-3-methylphenol	59-50-7	390	390	U		ug/kg	SW846 8270B
4-Chloroaniline	106-47-8	390	390	U		ug/kg	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	390	390	U		ug/kg	SW846 8270B
4-Methylphenol	106-44-5	390	390	U		ug/kg	SW846 8270B
4-Nitroaniline	100-01-6	1900	1900	U		ug/kg	SW846 8270B
4-Nitrophenol	100-02-7	1900	1900	U		ug/kg	SW846 8270B
Acenaphthene	83-32-9	390	390	U		ug/kg	SW846 8270B
Acenaphthylene	208-96-8	390	390	U		ug/kg	SW846 8270B
Anthracene	120-12-7	390	390	U		ug/kg	SW846 8270B
Benzo(a)anthracene	56-55-3	390	390	U		ug/kg	SW846 8270B
Benzo(a)pyrene	50-32-8	390	390	U		ug/kg	SW846 8270B
Benzo(b)fluoranthene	205-99-2	390	390	U		ug/kg	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	390	390	U		ug/kg	SW846 8270B
Benzo(k)fluoranthene	207-08-9	390	390	U		ug/kg	SW846 8270B
Benzoic Acid	65-85-0	1900	1900	U		ug/kg	SW846 8270B
Benzyl Alcohol	100-51-6	390	390	U		ug/kg	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	390	390	U		ug/kg	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	390	390	U		ug/kg	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	660	390			ug/kg	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	390	390	U		ug/kg	SW846 8270B
Chrysene	218-01-9	390	390	U		ug/kg	SW846 8270B
Di-n-butyl Phthalate	84-74-2	390	390	U		ug/kg	SW846 8270B
Di-n-octyl Phthalate	117-84-0	290	390	J		ug/kg	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	390	390	U		ug/kg	SW846 8270B
Dibenzofuran	132-64-9	390	390	U		ug/kg	SW846 8270B
Diethyl Phthalate	84-66-2	390	390	U		ug/kg	SW846 8270B
Dimethyl Phthalate	131-11-3	390	390	U		ug/kg	SW846 8270B
Fluoranthene	206-44-0	390	390	U		ug/kg	SW846 8270B

Location: SW113
Sample ID: 27SD113 **Depth:** NA
COE Sample ID: FH027-SD113/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	390	390	U		ug/kg	SW846 8270B
Hexachlorobenzene	118-74-1	390	390	U		ug/kg	SW846 8270B
Hexachlorobutadiene	87-68-3	390	390	U		ug/kg	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	390	390	U		ug/kg	SW846 8270B
Hexachloroethane	67-72-1	390	390	U		ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	390	390	U		ug/kg	SW846 8270B
Isophorone	78-59-1	390	390	U		ug/kg	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	390	390	U		ug/kg	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	390	390	U		ug/kg	SW846 8270B
Naphthalene	91-20-3	390	390	U		ug/kg	SW846 8270B
Nitrobenzene	98-95-3	390	390	U		ug/kg	SW846 8270B
Pentachlorophenol	87-86-5	1900	1900	U		ug/kg	SW846 8270B
Phenanthrene	85-01-8	390	390	U		ug/kg	SW846 8270B
Phenol	108-95-2	390	390	U		ug/kg	SW846 8270B
Pyrene	129-00-0	53	390	J		ug/kg	SW846 8270B
Pyridine	110-86-1	390	390	U		ug/kg	SW846 8270B
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	61	6	B		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: SW113
Sample ID: 27SD113 **Depth:** NA
COE Sample ID: FH027-SD113/11-16-96
Date Collected: 11/16/96

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: SW113
Sample ID: 27SW113 **Depth:** NA
COE Sample ID: FH027-SW113/11-16-96
Date Collected: 11/16/96

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	72.8	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.73	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	32.9	0.80			ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.43	0.10			ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	10	10	U	U	ug/l	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270B
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270B
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270B
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270B
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270B
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270B
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270B
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270B
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270B
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270B
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270B
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270B
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270B
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270B

Location: SW113
Sample ID: 27SW113 **Depth:** NA
COE Sample ID: FH027-SW113/11-16-96
Date Collected: 11/16/96

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 8270B
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270B
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270B
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270B
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270B
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270B
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270B
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270B
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270B
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270B
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270B
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270B
Benzoic Acid	65-85-0	1	50	J	U	ug/l	SW846 8270B
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U	U	ug/l	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270B
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270B
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270B
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270B
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270B
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270B
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270B
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270B
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270B
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270B
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270B
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270B
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270B
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270B
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270B
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270B
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270B
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270B
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270B
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270B
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: SW113
Sample ID: 27SW113 **Depth:** NA
COE Sample ID: FH027-SW113/11-16-96
Date Collected: 11/16/96

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	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	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: SW114
Sample ID: 27SD114 **Depth:** NA
COE Sample ID: FH027-SD114/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	6.2	0.46			mg/kg	SW846 6010
Barium	7440-39-3	118	0.11			mg/kg	SW846 6010
Cadmium	7440-43-9	0.23	0.06	BE	J	mg/kg	SW846 6010
Chromium	7440-47-3	10.4	0.11	E	J	mg/kg	SW846 6010
Lead	7439-92-1	6.3	0.19	E	J	mg/kg	SW846 6010

Location: SW114
Sample ID: 27SD114 **Depth:** NA
COE Sample ID: FH027-SD114/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Mercury	7439-97-6	0.05	0.05	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	1.8	0.41			mg/kg	SW846 6010
Silver	7440-22-4	0.26	0.26	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	460	460	U		ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	460	460	U		ug/kg	SW846 8270B
1,2-Dichlorobenzene	95-50-1	460	460	U		ug/kg	SW846 8270B
1,3-Dichlorobenzene	541-73-1	460	460	U		ug/kg	SW846 8270B
1,4-Dichlorobenzene	106-46-7	460	460	U		ug/kg	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	460	460	U		ug/kg	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	2200	2200	U		ug/kg	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	460	460	U		ug/kg	SW846 8270B
2,4-Dichlorophenol	120-83-2	460	460	U		ug/kg	SW846 8270B
2,4-Dimethylphenol	105-67-9	460	460	U		ug/kg	SW846 8270B
2,4-Dinitrophenol	51-28-5	2200	2200	U		ug/kg	SW846 8270B
2,4-Dinitrotoluene	121-14-2	460	460	U		ug/kg	SW846 8270B
2,6-Dinitrotoluene	606-20-2	460	460	U		ug/kg	SW846 8270B
2-Chloronaphthalene	91-58-7	460	460	U		ug/kg	SW846 8270B
2-Chlorophenol	95-57-8	460	460	U		ug/kg	SW846 8270B
2-Methylnaphthalene	91-57-6	460	460	U		ug/kg	SW846 8270B
2-Methylphenol	95-48-7	460	460	U		ug/kg	SW846 8270B
2-Nitroaniline	88-74-4	2200	2200	U		ug/kg	SW846 8270B
2-Nitrophenol	88-75-5	460	460	U		ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	920	920	U		ug/kg	SW846 8270B
3-Nitroaniline	99-09-2	2200	2200	U		ug/kg	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	2200	2200	U		ug/kg	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	460	460	U		ug/kg	SW846 8270B
4-chloro-3-methylphenol	59-50-7	460	460	U		ug/kg	SW846 8270B
4-Chloroaniline	106-47-8	460	460	U		ug/kg	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	460	460	U		ug/kg	SW846 8270B
4-Methylphenol	106-44-5	460	460	U		ug/kg	SW846 8270B
4-Nitroaniline	100-01-6	2200	2200	U		ug/kg	SW846 8270B
4-Nitrophenol	100-02-7	2200	2200	U		ug/kg	SW846 8270B
Acenaphthene	83-32-9	460	460	U		ug/kg	SW846 8270B
Acenaphthylene	208-96-8	460	460	U		ug/kg	SW846 8270B
Anthracene	120-12-7	460	460	U		ug/kg	SW846 8270B
Benzo(a)anthracene	56-55-3	460	460	U		ug/kg	SW846 8270B
Benzo(a)pyrene	50-32-8	460	460	U		ug/kg	SW846 8270B
Benzo(b)fluoranthene	205-99-2	460	460	U		ug/kg	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	460	460	U		ug/kg	SW846 8270B
Benzo(k)fluoranthene	207-08-9	460	460	U		ug/kg	SW846 8270B
Benzoic Acid	65-85-0	2200	2200	U		ug/kg	SW846 8270B
Benzyl Alcohol	100-51-6	460	460	U		ug/kg	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	460	460	U		ug/kg	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	460	460	U		ug/kg	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	170	460	J		ug/kg	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	460	460	U		ug/kg	SW846 8270B
Chrysene	218-01-9	460	460	U		ug/kg	SW846 8270B
Di-n-butyl Phthalate	84-74-2	460	460	U		ug/kg	SW846 8270B
Di-n-octyl Phthalate	117-84-0	68	460	J		ug/kg	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	460	460	U		ug/kg	SW846 8270B
Dibenzofuran	132-64-9	460	460	U		ug/kg	SW846 8270B
Diethyl Phthalate	84-66-2	460	460	U		ug/kg	SW846 8270B
Dimethyl Phthalate	131-11-3	460	460	U		ug/kg	SW846 8270B
Fluoranthene	206-44-0	460	460	U		ug/kg	SW846 8270B
Fluorene	86-73-7	460	460	U		ug/kg	SW846 8270B
Hexachlorobenzene	118-74-1	460	460	U		ug/kg	SW846 8270B
Hexachlorobutadiene	87-68-3	460	460	U		ug/kg	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	460	460	U		ug/kg	SW846 8270B
Hexachloroethane	67-72-1	460	460	U		ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	460	460	U		ug/kg	SW846 8270B

Location: SW114
Sample ID: 27SD114 **Depth:** NA
COE Sample ID: FH027-SD114/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Isophorone	78-59-1	460	460	U		ug/kg	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	460	460	U		ug/kg	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	460	460	U		ug/kg	SW846 8270B
Naphthalene	91-20-3	460	460	U		ug/kg	SW846 8270B
Nitrobenzene	98-95-3	460	460	U		ug/kg	SW846 8270B
Pentachlorophenol	87-86-5	2200	2200	U		ug/kg	SW846 8270B
Phenanthrene	85-01-8	460	460	U		ug/kg	SW846 8270B
Phenol	108-95-2	460	460	U		ug/kg	SW846 8270B
Pyrene	129-00-0	460	460	U		ug/kg	SW846 8270B
Pyridine	110-86-1	460	460	U		ug/kg	SW846 8270B
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	7	7	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	7	7	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	7	7	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	7	7	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	7	7	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	7	7	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	7	7	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	6	7	J	J	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	7	7	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	7	7	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	7	7	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	7	7	U	U	ug/kg	SW846 8260
Acetone	67-64-1	73	7	B		ug/kg	SW846 8260
Benzene	71-43-2	7	7	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	7	7	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	7	7	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	7	7	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	7	7	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	7	7	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	7	7	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	7	7	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	7	7	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	7	7	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	7	7	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	7	7	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	7	7	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	7	7	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	7	7	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	7	7	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	7	7	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	7	7	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	7	7	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	7	7	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	7	7	U	U	ug/kg	SW846 8260

Location: SW114
Sample ID: 27SD114 **Depth:** NA
COE Sample ID: FH027-SD114/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Naphthalene	91-20-3	7	7	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	7	7	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	7	7	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	7	7	U	U	ug/kg	SW846 8260
Styrene	100-42-5	7	7	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	7	7	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	7	7	U	U	ug/kg	SW846 8260
Toluene	108-88-3	7	7	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	7	7	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	7	7	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	7	7	U	U	ug/kg	SW846 8260

Location: SW114
Sample ID: 27SW114 **Depth:** NA
COE Sample ID: FH027-SW114/11-16-96
Date Collected: 11/16/96

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	86.4	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	1.1	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	30.7	0.80			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	2.8	2.8	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	10	10	U	U	ug/l	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270B
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270B
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270B
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270B
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270B
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270B
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270B
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270B
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270B
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270B
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270B
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270B
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270B
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270B
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270B
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270B
4-Methylphenol	106-44-5	2	10	J	J	ug/l	SW846 8270B
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270B
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270B

Location: SW114
Sample ID: 27SW114 **Depth:** NA
COE Sample ID: FH027-SW114/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270B
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270B
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270B
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270B
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270B
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270B
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270B
Benzoic Acid	65-85-0	8	50	J	U	ug/l	SW846 8270B
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	2	10	JB	U	ug/l	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270B
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270B
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270B
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270B
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270B
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270B
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270B
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270B
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270B
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270B
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270B
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270B
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270B
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270B
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270B
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270B
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270B
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270B
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270B
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270B
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

Location: SW114
Sample ID: 27SW114 **Depth:** NA
COE Sample ID: FH027-SW114/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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: SW115
Sample ID: 27SW115 **Depth:** NA
COE Sample ID: FH027-SW115/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.3	2.5	B	U	ug/l	SW846 6010
Barium	7440-39-3	173	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	18.2	0.50			ug/l	SW846 6010
Chromium	7440-47-3	3.9	0.80	B	U	ug/l	SW846 6010
Lead	7439-92-1	5.2	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	U	U	ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U	U	ug/l	SW846 6010

Location: SW115
Sample ID: 27SW115 **Depth:** NA
COE Sample ID: FH027-SW115/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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	1	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
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	3	50	J	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	4	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	1	10	J	J	ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	6	10	J	J	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

Location: SW115
Sample ID: 27SW115 **Depth:** NA
COE Sample ID: FH027-SW115/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	5	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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5			ug/l	SW846 8240
Bromoform	75-25-2	1	5	J		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	1	5	J		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	4	5	J		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	4	5	J		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240

Location: SW115
Sample ID: 27SW115 **Depth:** NA
COE Sample ID: FH027-SW115/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW116
Sample ID: 27SW116 **Depth:** NA
COE Sample ID: FH027-SW116/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.3	2.5	B	U	ug/l	SW846 6010
Barium	7440-39-3	78.6	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	5	0.50			ug/l	SW846 6010
Chromium	7440-47-3	3.8	0.80	B	U	ug/l	SW846 6010
Lead	7439-92-1	3.6	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	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	4	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

Location: SW116
Sample ID: 27SW116 **Depth:** NA
COE Sample ID: FH027-SW116/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	4	50	J	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	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	2	10	J	J	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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240

Location: SW116
Sample ID: 27SW116 **Depth:** NA
COE Sample ID: FH027-SW116/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	15	5			ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW117
Sample ID: 27SW117 **Depth:** NA
COE Sample ID: FH027-SW117/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.9	2.5	B		ug/l	SW846 6010
Barium	7440-39-3	26.1	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	9.1	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.29	0.10			ug/l	SW846 7470
Selenium	7782-49-2	2.8	2.8	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	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

Location: SW117
Sample ID: 27SW117 **Depth:** NA
COE Sample ID: FH027-SW117/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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	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
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	50	50	U		ug/l	SW846 8270

Location: SW117
Sample ID: 27SW117 **Depth:** NA
COE Sample ID: FH027-SW117/12-16-96
Date Collected: 12/16/96

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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW118
Sample ID: 27SW118 **Depth:** NA
COE Sample ID: FH027-SW118/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	6	2.5	B	U	ug/l	SW846 6010
Barium	7440-39-3	101	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	30.1	0.50			ug/l	SW846 6010
Chromium	7440-47-3	5.9	0.80	B	U	ug/l	SW846 6010
Lead	7439-92-1	12.8	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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		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	4	10	J		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	2	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	12	10			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	2	10	J		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	2	10	J		ug/l	SW846 8270
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270

Location: SW118
Sample ID: 27SW118 **Depth:** NA
COE Sample ID: FH027-SW118/11-20-96
Date Collected: 11/20/96

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	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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	7	5			ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	2	5	J		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	1	5	J		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	2	5	J		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240

Location: SW118
Sample ID: 27SW118 **Depth:** NA
COE Sample ID: FH027-SW118/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	4	5	J		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	2	5	J		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	1	5	J		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW119
Sample ID: 27SW119 **Depth:** NA
COE Sample ID: FH027-SW119/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.7	2.5	B	U	ug/l	SW846 6010
Barium	7440-39-3	124	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	6.9	0.50			ug/l	SW846 6010
Chromium	7440-47-3	5.5	0.80	B	U	ug/l	SW846 6010
Lead	7439-92-1	12.1	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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		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

Location: SW119
Sample ID: 27SW119 **Depth:** NA
COE Sample ID: FH027-SW119/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	7	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	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
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	2	10	J		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	16	5			ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240

Location: SW119
Sample ID: 27SW119 **Depth:** NA
COE Sample ID: FH027-SW119/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	4	5	J		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	160	5			ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	3	5	J		ug/l	SW846 8240
Bromoform	75-25-2	2	5	J		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	1	5	J		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	2	5	J		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	6	5			ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	29	5			ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	1	5	J		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	10	5			ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	2	5	J		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW123
Sample ID: 27SW123 **Depth:** NA
COE Sample ID: FH027-SW123/12-16-96
Date Collected: 12/16/96

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	18.7	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	1.6	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	1.5	0.80	B		ug/l	SW846 6010

Location: SW123
Sample ID: 27SW123 **Depth:** NA
COE Sample ID: FH027-SW123/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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 7470
Selenium	7782-49-2	2.8	2.8	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	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	18	10			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	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

Location: SW123
Sample ID: 27SW123 **Depth:** NA
COE Sample ID: FH027-SW123/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	22	5			ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	4	5	J		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	3	5	J		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	2	5	J		ug/l	SW846 8240

Location: SW123
Sample ID: 27SW123 **Depth:** NA
COE Sample ID: FH027-SW123/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	27	5			ug/l	SW846 8240
o-Xylene	95-47-6	2	5	J		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW124
Sample ID: 27SW124 **Depth:** NA
COE Sample ID: FH027-SW124/12-16-96
Date Collected: 12/16/96

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	28.1	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	0.8	0.80	U		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 7470
Selenium	7782-49-2	2.8	2.8	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	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

Location: SW124
Sample ID: 27SW124 **Depth:** NA
COE Sample ID: FH027-SW124/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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	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
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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240

Location: SW124
Sample ID: 27SW124 **Depth:** NA
COE Sample ID: FH027-SW124/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW126
Sample ID: 27SD126 **Depth:** NA
COE Sample ID: FH027-SD126/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	2.9	0.42			mg/kg	SW846 6010
Barium	7440-39-3	33.1	0.10			mg/kg	SW846 6010
Cadmium	7440-43-9	0.55	0.05	BE	J	mg/kg	SW846 6010
Chromium	7440-47-3	5.6	0.10	E	J	mg/kg	SW846 6010
Lead	7439-92-1	13.5	0.18	E	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.39	0.39	U	U	mg/kg	SW846 6010
Silver	7440-22-4	0.24	0.24	U	U	mg/kg	SW846 6010

Location: SW126
Sample ID: 27SD126 **Depth:** NA
COE Sample ID: FH027-SD126/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	420	420	U		ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	420	420	U		ug/kg	SW846 8270B
1,2-Dichlorobenzene	95-50-1	420	420	U		ug/kg	SW846 8270B
1,3-Dichlorobenzene	541-73-1	420	420	U		ug/kg	SW846 8270B
1,4-Dichlorobenzene	106-46-7	420	420	U		ug/kg	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	420	420	U		ug/kg	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	2000	2000	U		ug/kg	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	420	420	U		ug/kg	SW846 8270B
2,4-Dichlorophenol	120-83-2	420	420	U		ug/kg	SW846 8270B
2,4-Dimethylphenol	105-67-9	420	420	U		ug/kg	SW846 8270B
2,4-Dinitrophenol	51-28-5	2000	2000	U		ug/kg	SW846 8270B
2,4-Dinitrotoluene	121-14-2	420	420	U		ug/kg	SW846 8270B
2,6-Dinitrotoluene	606-20-2	420	420	U		ug/kg	SW846 8270B
2-Chloronaphthalene	91-58-7	420	420	U		ug/kg	SW846 8270B
2-Chlorophenol	95-57-8	420	420	U		ug/kg	SW846 8270B
2-Methylnaphthalene	91-57-6	420	420	U		ug/kg	SW846 8270B
2-Methylphenol	95-48-7	420	420	U		ug/kg	SW846 8270B
2-Nitroaniline	88-74-4	2000	2000	U		ug/kg	SW846 8270B
2-Nitrophenol	88-75-5	420	420	U		ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	850	850	U		ug/kg	SW846 8270B
3-Nitroaniline	99-09-2	2000	2000	U		ug/kg	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	2000	2000	U		ug/kg	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	420	420	U		ug/kg	SW846 8270B
4-chloro-3-methylphenol	59-50-7	420	420	U		ug/kg	SW846 8270B
4-Chloroaniline	106-47-8	420	420	U		ug/kg	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	420	420	U		ug/kg	SW846 8270B
4-Methylphenol	106-44-5	420	420	U		ug/kg	SW846 8270B
4-Nitroaniline	100-01-6	2000	2000	U		ug/kg	SW846 8270B
4-Nitrophenol	100-02-7	2000	2000	U		ug/kg	SW846 8270B
Acenaphthene	83-32-9	420	420	U		ug/kg	SW846 8270B
Acenaphthylene	208-96-8	420	420	U		ug/kg	SW846 8270B
Anthracene	120-12-7	420	420	U		ug/kg	SW846 8270B
Benzo(a)anthracene	56-55-3	420	420	U		ug/kg	SW846 8270B
Benzo(a)pyrene	50-32-8	420	420	U		ug/kg	SW846 8270B
Benzo(b)fluoranthene	205-99-2	420	420	U		ug/kg	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	420	420	U		ug/kg	SW846 8270B
Benzo(k)fluoranthene	207-08-9	420	420	U		ug/kg	SW846 8270B
Benzoic Acid	65-85-0	2000	2000	U		ug/kg	SW846 8270B
Benzyl Alcohol	100-51-6	420	420	U		ug/kg	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	420	420	U		ug/kg	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	420	420	U		ug/kg	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	420	420	J		ug/kg	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	420	420	U		ug/kg	SW846 8270B
Chrysene	218-01-9	420	420	U		ug/kg	SW846 8270B
Di-n-butyl Phthalate	84-74-2	420	420	U		ug/kg	SW846 8270B
Di-n-octyl Phthalate	117-84-0	100	420	J		ug/kg	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	420	420	U		ug/kg	SW846 8270B
Dibenzofuran	132-64-9	420	420	U		ug/kg	SW846 8270B
Diethyl Phthalate	84-66-2	420	420	U		ug/kg	SW846 8270B
Dimethyl Phthalate	131-11-3	420	420	U		ug/kg	SW846 8270B
Fluoranthene	206-44-0	420	420	U		ug/kg	SW846 8270B
Fluorene	86-73-7	420	420	U		ug/kg	SW846 8270B
Hexachlorobenzene	118-74-1	420	420	U		ug/kg	SW846 8270B
Hexachlorobutadiene	87-68-3	420	420	U		ug/kg	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	420	420	U		ug/kg	SW846 8270B
Hexachloroethane	67-72-1	420	420	U		ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	420	420	U		ug/kg	SW846 8270B
Isophorone	78-59-1	420	420	U		ug/kg	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	420	420	U		ug/kg	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	420	420	U		ug/kg	SW846 8270B
Naphthalene	91-20-3	420	420	U		ug/kg	SW846 8270B
Nitrobenzene	98-95-3	420	420	U		ug/kg	SW846 8270B

Location: SW126
Sample ID: 27SD126 **Depth:** NA
COE Sample ID: FH027-SD126/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Pentachlorophenol	87-86-5	2000	2000	U		ug/kg	SW846 8270B
Phenanthrene	85-01-8	420	420	U		ug/kg	SW846 8270B
Phenol	108-95-2	420	420	U		ug/kg	SW846 8270B
Pyrene	129-00-0	73	420	J		ug/kg	SW846 8270B
Pyridine	110-86-1	420	420	U		ug/kg	SW846 8270B
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	8	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	86	6	B		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	10	6	B	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

Location: SW126
Sample ID: 27SD126 **Depth:** NA
COE Sample ID: FH027-SD126/11-16-96
Date Collected: 11/16/96

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: SW126
Sample ID: 27SW126 **Depth:** NA
COE Sample ID: FH027-SW126/11-16-96
Date Collected: 11/16/96

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	94.8	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.5	0.50	U		ug/l	SW846 6010
Chromium	7440-47-3	14.9	0.80			ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.63	0.10			ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	10	10	U	U	ug/l	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270B
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270B
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270B
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270B
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270B
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270B
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270B
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270B
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270B
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270B
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270B
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270B
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270B
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270B
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270B
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270B
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270B
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270B
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270B
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270B
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270B
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270B
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270B
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270B

Location: SW126
Sample ID: 27SW126 **Depth:** NA
COE Sample ID: FH027-SW126/11-16-96
Date Collected: 11/16/96

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 8270B
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270B
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270B
Benzoic Acid	65-85-0	50	50	U	U	ug/l	SW846 8270B
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	3	10	JB	U	ug/l	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270B
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270B
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270B
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270B
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270B
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270B
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270B
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270B
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270B
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270B
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270B
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270B
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270B
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270B
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270B
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270B
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270B
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270B
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270B
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270B
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

Location: SW126
Sample ID: 27SW126 **Depth:** NA
COE Sample ID: FH027-SW126/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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: SW127
Sample ID: 27SD127 **Depth:** NA
COE Sample ID: FH027-SD127/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.9	0.44			mg/kg	SW846 6010
Barium	7440-39-3	45.3	0.11			mg/kg	SW846 6010
Cadmium	7440-43-9	1.7	0.05	E	J	mg/kg	SW846 6010
Chromium	7440-47-3	9.4	0.11	E	J	mg/kg	SW846 6010
Lead	7439-92-1	33.5	0.19	E	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.4	0.40	U	U	mg/kg	SW846 6010
Silver	7440-22-4	0.26	0.26	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	440	440	U		ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	440	440	U		ug/kg	SW846 8270B
1,2-Dichlorobenzene	95-50-1	440	440	U		ug/kg	SW846 8270B
1,3-Dichlorobenzene	541-73-1	440	440	U		ug/kg	SW846 8270B
1,4-Dichlorobenzene	106-46-7	440	440	U		ug/kg	SW846 8270B

Location: SW127
Sample ID: 27SD127 **Depth:** NA
COE Sample ID: FH027-SD127/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
2,2'-oxybis(1-chloropropane)	108-60-1	440	440	U		ug/kg	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	2100	2100	U		ug/kg	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	440	440	U		ug/kg	SW846 8270B
2,4-Dichlorophenol	120-83-2	440	440	U		ug/kg	SW846 8270B
2,4-Dimethylphenol	105-67-9	440	440	U		ug/kg	SW846 8270B
2,4-Dinitrophenol	51-28-5	2100	2100	U		ug/kg	SW846 8270B
2,4-Dinitrotoluene	121-14-2	440	440	U		ug/kg	SW846 8270B
2,6-Dinitrotoluene	606-20-2	440	440	U		ug/kg	SW846 8270B
2-Chloronaphthalene	91-58-7	440	440	U		ug/kg	SW846 8270B
2-Chlorophenol	95-57-8	440	440	U		ug/kg	SW846 8270B
2-Methylnaphthalene	91-57-6	440	440	U		ug/kg	SW846 8270B
2-Methylphenol	95-48-7	440	440	U		ug/kg	SW846 8270B
2-Nitroaniline	88-74-4	2100	2100	U		ug/kg	SW846 8270B
2-Nitrophenol	88-75-5	440	440	U		ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	880	880	U		ug/kg	SW846 8270B
3-Nitroaniline	99-09-2	2100	2100	U		ug/kg	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	2100	2100	U		ug/kg	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	440	440	U		ug/kg	SW846 8270B
4-chloro-3-methylphenol	59-50-7	440	440	U		ug/kg	SW846 8270B
4-Chloroaniline	106-47-8	440	440	U		ug/kg	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	440	440	U		ug/kg	SW846 8270B
4-Methylphenol	106-44-5	440	440	U		ug/kg	SW846 8270B
4-Nitroaniline	100-01-6	2100	2100	U		ug/kg	SW846 8270B
4-Nitrophenol	100-02-7	2100	2100	U		ug/kg	SW846 8270B
Acenaphthene	83-32-9	440	440	U		ug/kg	SW846 8270B
Acenaphthylene	208-96-8	440	440	U		ug/kg	SW846 8270B
Anthracene	120-12-7	440	440	U		ug/kg	SW846 8270B
Benzo(a)anthracene	56-55-3	440	440	U		ug/kg	SW846 8270B
Benzo(a)pyrene	50-32-8	440	440	U		ug/kg	SW846 8270B
Benzo(b)fluoranthene	205-99-2	440	440	U		ug/kg	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	440	440	U		ug/kg	SW846 8270B
Benzo(k)fluoranthene	207-08-9	440	440	U		ug/kg	SW846 8270B
Benzoic Acid	65-85-0	2100	2100	U		ug/kg	SW846 8270B
Benzyl Alcohol	100-51-6	440	440	U		ug/kg	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	440	440	U		ug/kg	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	440	440	U		ug/kg	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	720	440			ug/kg	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	110	440	J		ug/kg	SW846 8270B
Chrysene	218-01-9	65	440	J		ug/kg	SW846 8270B
Di-n-butyl Phthalate	84-74-2	440	440	U		ug/kg	SW846 8270B
Di-n-octyl Phthalate	117-84-0	70	440	J		ug/kg	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	440	440	U		ug/kg	SW846 8270B
Dibenzofuran	132-64-9	440	440	U		ug/kg	SW846 8270B
Diethyl Phthalate	84-66-2	440	440	U		ug/kg	SW846 8270B
Dimethyl Phthalate	131-11-3	440	440	U		ug/kg	SW846 8270B
Fluoranthene	206-44-0	78	440	J		ug/kg	SW846 8270B
Fluorene	86-73-7	440	440	U		ug/kg	SW846 8270B
Hexachlorobenzene	118-74-1	440	440	U		ug/kg	SW846 8270B
Hexachlorobutadiene	87-68-3	440	440	U		ug/kg	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	440	440	U		ug/kg	SW846 8270B
Hexachloroethane	67-72-1	440	440	U		ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	440	440	U		ug/kg	SW846 8270B
Isophorone	78-59-1	440	440	U		ug/kg	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	440	440	U		ug/kg	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	440	440	U		ug/kg	SW846 8270B
Naphthalene	91-20-3	440	440	U		ug/kg	SW846 8270B
Nitrobenzene	98-95-3	440	440	U		ug/kg	SW846 8270B
Pentachlorophenol	87-86-5	2100	2100	U		ug/kg	SW846 8270B
Phenanthrene	85-01-8	440	440	U		ug/kg	SW846 8270B
Phenol	108-95-2	440	440	U		ug/kg	SW846 8270B
Pyrene	129-00-0	100	440	J		ug/kg	SW846 8270B
Pyridine	110-86-1	440	440	U		ug/kg	SW846 8270B

Location: SW127
Sample ID: 27SD127 **Depth:** NA
COE Sample ID: FH027-SD127/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	7	7	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	7	7	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	7	7	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	7	7	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	7	7	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	7	7	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	7	7	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	5	7	J	J	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	7	7	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	7	7	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	7	7	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	7	7	U	U	ug/kg	SW846 8260
Acetone	67-64-1	74	7	B		ug/kg	SW846 8260
Benzene	71-43-2	7	7	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	7	7	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	7	7	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	7	7	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	7	7	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	7	7	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	7	7	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	7	7	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	7	7	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	7	7	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	7	7	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	7	7	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	7	7	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	7	7	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	7	7	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	7	7	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	7	7	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	7	7	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	10	7	B	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	7	7	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	7	7	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	7	7	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	7	7	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	7	7	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	7	7	U	U	ug/kg	SW846 8260
Styrene	100-42-5	7	7	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	7	7	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	7	7	U	U	ug/kg	SW846 8260
Toluene	108-88-3	77	7			ug/kg	SW846 8260
Trichloroethene	79-01-6	7	7	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	7	7	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	7	7	U	U	ug/kg	SW846 8260

Location: SW127
Sample ID: 27SW127 **Depth:** NA
COE Sample ID: FH027-SW127/11-16-96
Date Collected: 11/16/96

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	45.3	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.96	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	0.8	0.80	U		ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.57	0.10			ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	10	10	U	U	ug/l	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270B
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270B
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270B
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270B
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270B
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270B
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270B
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270B
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270B
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270B
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270B
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270B
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270B
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270B
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270B
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270B
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270B
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270B
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270B
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270B
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270B
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270B
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270B
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270B
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270B
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270B
Benzoic Acid	65-85-0	2	50	J	U	ug/l	SW846 8270B
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	42	10	B		ug/l	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270B
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270B
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270B
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270B
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270B
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270B
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270B
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270B

Location: SW127
Sample ID: 27SW127 **Depth:** NA
COE Sample ID: FH027-SW127/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270B
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270B
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270B
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270B
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270B
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270B
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270B
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270B
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270B
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270B
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270B
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270B
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	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: SW127
Sample ID: 27SW127 **Depth:** NA
COE Sample ID: FH027-SW127/11-16-96
Date Collected: 11/16/96

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: SW128
Sample ID: 27SD128 **Depth:** NA
COE Sample ID: FH027-SD128/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.2	0.44			mg/kg	SW846 6010
Barium	7440-39-3	28.4	0.11			mg/kg	SW846 6010
Cadmium	7440-43-9	0.7	0.05	E	J	mg/kg	SW846 6010
Chromium	7440-47-3	6.7	0.11	E	J	mg/kg	SW846 6010
Lead	7439-92-1	8.5	0.19	E	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.04	0.04	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.4	0.40	U	U	mg/kg	SW846 6010
Silver	7440-22-4	0.25	0.25	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	440	440	U		ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	440	440	U		ug/kg	SW846 8270B
1,2-Dichlorobenzene	95-50-1	440	440	U		ug/kg	SW846 8270B
1,3-Dichlorobenzene	541-73-1	440	440	U		ug/kg	SW846 8270B
1,4-Dichlorobenzene	106-46-7	440	440	U		ug/kg	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	440	440	U		ug/kg	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	2100	2100	U		ug/kg	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	440	440	U		ug/kg	SW846 8270B
2,4-Dichlorophenol	120-83-2	440	440	U		ug/kg	SW846 8270B
2,4-Dimethylphenol	105-67-9	440	440	U		ug/kg	SW846 8270B
2,4-Dinitrophenol	51-28-5	2100	2100	U		ug/kg	SW846 8270B
2,4-Dinitrotoluene	121-14-2	440	440	U		ug/kg	SW846 8270B
2,6-Dinitrotoluene	606-20-2	440	440	U		ug/kg	SW846 8270B
2-Chloronaphthalene	91-58-7	440	440	U		ug/kg	SW846 8270B
2-Chlorophenol	95-57-8	440	440	U		ug/kg	SW846 8270B
2-Methylnaphthalene	91-57-6	440	440	U		ug/kg	SW846 8270B
2-Methylphenol	95-48-7	440	440	U		ug/kg	SW846 8270B
2-Nitroaniline	88-74-4	2100	2100	U		ug/kg	SW846 8270B
2-Nitrophenol	88-75-5	440	440	U		ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	880	880	U		ug/kg	SW846 8270B
3-Nitroaniline	99-09-2	2100	2100	U		ug/kg	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	2100	2100	U		ug/kg	SW846 8270B

Location: SW128
Sample ID: 27SD128 **Depth:** NA
COE Sample ID: FH027-SD128/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Bromophenyl-phenyl Ether	101-55-3	440	440	U		ug/kg	SW846 8270B
4-chloro-3-methylphenol	59-50-7	440	440	U		ug/kg	SW846 8270B
4-Chloroaniline	106-47-8	440	440	U		ug/kg	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	440	440	U		ug/kg	SW846 8270B
4-Methylphenol	106-44-5	440	440	U		ug/kg	SW846 8270B
4-Nitroaniline	100-01-6	2100	2100	U		ug/kg	SW846 8270B
4-Nitrophenol	100-02-7	2100	2100	U		ug/kg	SW846 8270B
Acenaphthene	83-32-9	440	440	U		ug/kg	SW846 8270B
Acenaphthylene	208-96-8	440	440	U		ug/kg	SW846 8270B
Anthracene	120-12-7	440	440	U		ug/kg	SW846 8270B
Benzo(a)anthracene	56-55-3	440	440	U		ug/kg	SW846 8270B
Benzo(a)pyrene	50-32-8	440	440	U		ug/kg	SW846 8270B
Benzo(b)fluoranthene	205-99-2	440	440	U		ug/kg	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	440	440	U		ug/kg	SW846 8270B
Benzo(k)fluoranthene	207-08-9	440	440	U		ug/kg	SW846 8270B
Benzoic Acid	65-85-0	64	2100	J		ug/kg	SW846 8270B
Benzyl Alcohol	100-51-6	440	440	U		ug/kg	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	440	440	U		ug/kg	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	440	440	U		ug/kg	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	660	440			ug/kg	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	440	440	U		ug/kg	SW846 8270B
Chrysene	218-01-9	440	440	U		ug/kg	SW846 8270B
Di-n-butyl Phthalate	84-74-2	440	440	U		ug/kg	SW846 8270B
Di-n-octyl Phthalate	117-84-0	310	440	J		ug/kg	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	440	440	U		ug/kg	SW846 8270B
Dibenzofuran	132-64-9	440	440	U		ug/kg	SW846 8270B
Diethyl Phthalate	84-66-2	440	440	U		ug/kg	SW846 8270B
Dimethyl Phthalate	131-11-3	440	440	U		ug/kg	SW846 8270B
Fluoranthene	206-44-0	58	440	J		ug/kg	SW846 8270B
Fluorene	86-73-7	440	440	U		ug/kg	SW846 8270B
Hexachlorobenzene	118-74-1	440	440	U		ug/kg	SW846 8270B
Hexachlorobutadiene	87-68-3	440	440	U		ug/kg	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	440	440	U		ug/kg	SW846 8270B
Hexachloroethane	67-72-1	440	440	U		ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	440	440	U		ug/kg	SW846 8270B
Isophorone	78-59-1	440	440	U		ug/kg	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	440	440	U		ug/kg	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	440	440	U		ug/kg	SW846 8270B
Naphthalene	91-20-3	440	440	U		ug/kg	SW846 8270B
Nitrobenzene	98-95-3	440	440	U		ug/kg	SW846 8270B
Pentachlorophenol	87-86-5	2100	2100	U		ug/kg	SW846 8270B
Phenanthrene	85-01-8	440	440	U		ug/kg	SW846 8270B
Phenol	108-95-2	440	440	U		ug/kg	SW846 8270B
Pyrene	129-00-0	52	440	J		ug/kg	SW846 8270B
Pyridine	110-86-1	440	440	U		ug/kg	SW846 8270B
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260

Location: SW128
Sample ID: 27SD128 **Depth:** NA
COE Sample ID: FH027-SD128/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloroethane	107-06-2	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	7	7	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	7	7	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	7	7	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	7	7	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	7	7	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	7	7	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	7	7	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	7	7	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	7	7	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	7	7	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	7	7	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	7	7	U	U	ug/kg	SW846 8260
Acetone	67-64-1	49	7	B	U	ug/kg	SW846 8260
Benzene	71-43-2	7	7	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	7	7	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	7	7	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	7	7	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	7	7	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	7	7	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	7	7	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	7	7	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	7	7	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	7	7	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	7	7	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	7	7	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	7	7	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	7	7	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	7	7	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	7	7	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	7	7	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	7	7	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	11	7	B	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	7	7	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	7	7	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	7	7	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	7	7	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	7	7	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	7	7	U	U	ug/kg	SW846 8260
Styrene	100-42-5	7	7	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	7	7	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	7	7	U	U	ug/kg	SW846 8260
Toluene	108-88-3	7	7	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	7	7	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	7	7	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	7	7	U	U	ug/kg	SW846 8260

Location: SW128
Sample ID: 27SW128 **Depth:** NA
COE Sample ID: FH027-SW128/11-16-96
Date Collected: 11/16/96

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	52.8	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	2.1	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	0.8	0.80	U		ug/l	SW846 6010

Location: SW128
Sample ID: 27SW128 **Depth:** NA
COE Sample ID: FH027-SW128/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	1.5	0.10			ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	10	10	U	U	ug/l	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270B
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270B
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270B
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270B
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270B
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270B
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270B
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270B
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270B
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270B
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270B
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270B
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270B
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270B
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270B
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270B
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270B
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270B
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270B
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270B
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270B
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270B
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270B
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270B
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270B
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270B
Benzoic Acid	65-85-0	2	50	J	U	ug/l	SW846 8270B
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	1	10	JB	U	ug/l	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270B
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270B
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270B
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270B
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270B
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270B
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270B
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270B
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270B
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270B
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270B
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270B

Location: SW128
Sample ID: 27SW128 **Depth:** NA
COE Sample ID: FH027-SW128/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270B
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270B
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270B
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270B
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270B
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270B
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270B
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270B
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270B
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	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

Location: SW128
Sample ID: 27SW128 **Depth:** NA
COE Sample ID: FH027-SW128/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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: SW129
Sample ID: 27SD129 **Depth:** NA
COE Sample ID: FH027-SD129/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4	0.40			mg/kg	SW846 6010
Barium	7440-39-3	248	0.05			mg/kg	SW846 6010
Cadmium	7440-43-9	17.6	0.08			mg/kg	SW846 6010
Chromium	7440-47-3	13.3	0.13			mg/kg	SW846 6010
Lead	7439-92-1	33.9	0.27			mg/kg	SW846 6010
Mercury	7439-97-6	0.03	0.03	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.52	0.45	B		mg/kg	SW846 6010
Silver	7440-22-4	0.19	0.19	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	530	530	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	530	530	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	530	530	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	530	530	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	530	530	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	530	530	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2600	2600	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	530	530	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	530	530	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	530	530	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2600	2600	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	530	530	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	530	530	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	530	530	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	530	530	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	6200	530			ug/kg	SW846 8270
2-Methylphenol	95-48-7	530	530	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2600	2600	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	530	530	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	1100	1100	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2600	2600	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2600	2600	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	530	530	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	530	530	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	530	530	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	530	530	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	270	530	J	J	ug/kg	SW846 8270

Location: SW129
Sample ID: 27SD129 **Depth:** NA
COE Sample ID: FH027-SD129/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Nitroaniline	100-01-6	2600	2600	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2600	2600	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	530	530	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	530	530	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	530	530	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	530	530	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	530	530	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	530	530	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	530	530	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	530	530	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2600	2600	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	530	530	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	530	530	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	530	530	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	2000	530	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	530	530	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	530	530	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	530	530	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	530	530	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	530	530	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	540	530			ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	530	530	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	530	530	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	530	530	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	260	530	J	J	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	530	530	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	530	530	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	530	530	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	530	530	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	530	530	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	530	530	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	530	530	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	530	530	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	3100	530			ug/kg	SW846 8270
Nitrobenzene	98-95-3	530	530	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2600	2600	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	530	530	U	U	ug/kg	SW846 8270
Phenol	108-95-2	530	530	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	130	530	J	J	ug/kg	SW846 8270
Pyridine	110-86-1	530	530	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	1000	1000	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	1000	1000	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	1000	1000	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	1000	1000	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	1000	1000	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	1000	1000	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	1000	1000	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	1000	1000	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	1000	1000	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	1000	1000	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	41000	1000	E	J	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	1000	1000	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	1000	1000	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	1000	1000	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	1000	1000	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	1000	1000	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	1000	1000	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	1000	1000	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	1000	1000	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	1000	1000	U	U	ug/kg	SW846 8260

Location: SW129
Sample ID: 27SD129 **Depth:** NA
COE Sample ID: FH027-SD129/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,3-Dichloropropane	142-28-9	1000	1000	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	1000	1000	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	1000	1000	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	1000	1000	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	1000	1000	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	1000	1000	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	1000	1000	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	1000	1000	U	U	ug/kg	SW846 8260
Acetone	67-64-1	1700	1000			ug/kg	SW846 8260
Benzene	71-43-2	210	1000	J	J	ug/kg	SW846 8260
Bromobenzene	108-86-1	1000	1000	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	1000	1000	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	1000	1000	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	1000	1000	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	1000	1000	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	1000	1000	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	1000	1000	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	1000	1000	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	1000	1000	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	1000	1000	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	1000	1000	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	1000	1000	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	1000	1000	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	1700	1000			ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	1000	1000	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	1000	1000	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	9600	1000			ug/kg	SW846 8260
Methylene Chloride	75-09-2	760	1000	JB	J	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	10000	1000			ug/kg	SW846 8260
n-propylbenzene	103-65-1	4700	1000			ug/kg	SW846 8260
Naphthalene	91-20-3	1000	1000	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	8500	1000			ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	1000	1000	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	1000	1000	U	U	ug/kg	SW846 8260
Styrene	100-42-5	1000	1000	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	1000	1000	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	250	1000	J	J	ug/kg	SW846 8260
Toluene	108-88-3	1000	1000	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	300	1000	J	J	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	1000	1000	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	1000	1000	U	U	ug/kg	SW846 8260

Location: SW129
Sample ID: 27SW129 **Depth:** NA
COE Sample ID: FH027-SW129/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.3	3.3	U		ug/l	SW846 6010
Barium	7440-39-3	68.6	0.80			ug/l	SW846 6010
Cadmium	7440-43-9	11.9	0.40			ug/l	SW846 6010
Chromium	7440-47-3	2.7	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	2.3	1.4	B		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	4.1	2.8	B		ug/l	SW846 6010
Silver	7440-22-4	1.9	1.9	U		ug/l	SW846 6010

Location: SW129
Sample ID: 27SW129 **Depth:** NA
COE Sample ID: FH027-SW129/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	18	10			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	1	10	J		ug/l	SW846 8270
Di-n-octyl Phthalate	117-84-0	10	10	J		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	2	10	J		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

Location: SW129
Sample ID: 27SW129 **Depth:** NA
COE Sample ID: FH027-SW129/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270
Phenanthrene	85-01-8	2	10	J		ug/l	SW846 8270
Phenol	108-95-2	10	10	U		ug/l	SW846 8270
Pyrene	129-00-0	1	10	J		ug/l	SW846 8270
Pyridine	110-86-1	50	50	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	1	5	J	J	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	13	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	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			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	3	5	J	J	ug/l	SW846 8260
Acetone	67-64-1	19	5		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	2	5	J	J	ug/l	SW846 8260
Bromoform	75-25-2	2	5	J	J	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	2	5	J	J	ug/l	SW846 8260
Chloromethane	74-87-3	5	5	U	U	ug/l	SW846 8260
Dibromochloromethane	124-48-1	3	5	J	J	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	3	5	J	J	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	8	5			ug/l	SW846 8260
Methylene Chloride	75-09-2	5	5		U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260
n-propylbenzene	103-65-1	4	5	J	J	ug/l	SW846 8260
Naphthalene	91-20-3	9	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

Location: SW129
Sample ID: 27SW129 **Depth:** NA
COE Sample ID: FH027-SW129/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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: SW130
Sample ID: 27SD130 **Depth:** NA
COE Sample ID: FH027-SD130/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.3	0.39			mg/kg	SW846 6010
Barium	7440-39-3	119	0.05			mg/kg	SW846 6010
Cadmium	7440-43-9	5.9	0.08			mg/kg	SW846 6010
Chromium	7440-47-3	16.8	0.13			mg/kg	SW846 6010
Lead	7439-92-1	24.7	0.27			mg/kg	SW846 6010
Mercury	7439-97-6	0.03	0.03	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.44	0.44	U		mg/kg	SW846 6010
Silver	7440-22-4	0.22	0.19	B		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	520	520	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	520	520	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	520	520	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	520	520	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	520	520	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	520	520	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2500	2500	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	520	520	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	520	520	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	520	520	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2500	2500	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	520	520	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	520	520	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	520	520	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	520	520	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	98	520	J	J	ug/kg	SW846 8270
2-Methylphenol	95-48-7	520	520	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2500	2500	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	520	520	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	1000	1000	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2500	2500	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2500	2500	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	520	520	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	520	520	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	520	520	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	520	520	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	520	520	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2500	2500	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2500	2500	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	520	520	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	520	520	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	520	520	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	520	520	U	U	ug/kg	SW846 8270

Location: SW130
Sample ID: 27SD130 **Depth:** NA
COE Sample ID: FH027-SD130/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Benzo(a)pyrene	50-32-8	520	520	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	520	520	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	520	520	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	520	520	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2500	2500	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	520	520	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	520	520	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	520	520	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	3900	520	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	520	520	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	520	520	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	150	520	J	J	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	970	520			ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	520	520	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	520	520	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	520	520	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	520	520	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	520	520	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	520	520	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	520	520	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	520	520	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	520	520	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	520	520	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	520	520	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	520	520	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	520	520	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	520	520	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	57	520	J	J	ug/kg	SW846 8270
Nitrobenzene	98-95-3	520	520	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2500	2500	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	520	520	U	U	ug/kg	SW846 8270
Phenol	108-95-2	520	520	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	230	520	J	J	ug/kg	SW846 8270
Pyridine	110-86-1	520	520	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	8	8	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	8	8	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	8	8	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	8	8	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	8	8	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	8	8	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	8	8	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	88	8			ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	8	8	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	8	8	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	8	8	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	8	8	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	8	8	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	8	8	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	8	8	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	78	8			ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	8	8	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	8	8	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	8	8	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	8	8	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	91	8			ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	8	8	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	8	8	U	U	ug/kg	SW846 8260

Location: SW130
Sample ID: 27SD130 **Depth:** NA
COE Sample ID: FH027-SD130/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Chlorotoluene	106-43-4	8	8	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	8	8	U	U	ug/kg	SW846 8260
Acetone	67-64-1	390	8	EB	J	ug/kg	SW846 8260
Benzene	71-43-2	8	8	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	8	8	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	8	8	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	8	8	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	8	8	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	8	8	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	8	8	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	8	8	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	8	8	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	8	8	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	8	8	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	8	8	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	8	8	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	8	8	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	13	8			ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	8	8	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	11	8			ug/kg	SW846 8260
m,p-Xylene	13-302-07	33	8			ug/kg	SW846 8260
Methylene Chloride	75-09-2	8	8	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	8	8	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	19	8			ug/kg	SW846 8260
Naphthalene	91-20-3	60	8			ug/kg	SW846 8260
o-Xylene	95-47-6	39	8			ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	8	8	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	8	8	U	U	ug/kg	SW846 8260
Styrene	100-42-5	8	8	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	8	8	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	8	8	U	U	ug/kg	SW846 8260
Toluene	108-88-3	8	8	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	8	8	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	8	8	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	8	8	U	U	ug/kg	SW846 8260

Location: SW131
Sample ID: 27SD131 **Depth:** NA
COE Sample ID: FH027-SD131/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.7	0.48			mg/kg	SW846 6010
Barium	7440-39-3	59.3	0.12			mg/kg	SW846 6010
Cadmium	7440-43-9	1.7	0.06	E	J	mg/kg	SW846 6010
Chromium	7440-47-3	9.8	0.12	E	J	mg/kg	SW846 6010
Lead	7439-92-1	13.2	0.20	E	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.05	0.05	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.44	0.44	U	U	mg/kg	SW846 6010
Silver	7440-22-4	0.28	0.28	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	480	480	U		ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	480	480	U		ug/kg	SW846 8270B
1,2-Dichlorobenzene	95-50-1	480	480	U		ug/kg	SW846 8270B
1,3-Dichlorobenzene	541-73-1	480	480	U		ug/kg	SW846 8270B

Location: SW131
Sample ID: 27SD131 **Depth:** NA
COE Sample ID: FH027-SD131/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,4-Dichlorobenzene	106-46-7	480	480	U		ug/kg	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	480	480	U		ug/kg	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	2400	2400	U		ug/kg	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	480	480	U		ug/kg	SW846 8270B
2,4-Dichlorophenol	120-83-2	480	480	U		ug/kg	SW846 8270B
2,4-Dimethylphenol	105-67-9	480	480	U		ug/kg	SW846 8270B
2,4-Dinitrophenol	51-28-5	2400	2400	U		ug/kg	SW846 8270B
2,4-Dinitrotoluene	121-14-2	480	480	U		ug/kg	SW846 8270B
2,6-Dinitrotoluene	606-20-2	480	480	U		ug/kg	SW846 8270B
2-Chloronaphthalene	91-58-7	480	480	U		ug/kg	SW846 8270B
2-Chlorophenol	95-57-8	480	480	U		ug/kg	SW846 8270B
2-Methylnaphthalene	91-57-6	120	480	J		ug/kg	SW846 8270B
2-Methylphenol	95-48-7	480	480	U		ug/kg	SW846 8270B
2-Nitroaniline	88-74-4	2400	2400	U		ug/kg	SW846 8270B
2-Nitrophenol	88-75-5	480	480	U		ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	970	970	U		ug/kg	SW846 8270B
3-Nitroaniline	99-09-2	2400	2400	U		ug/kg	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	2400	2400	U		ug/kg	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	480	480	U		ug/kg	SW846 8270B
4-chloro-3-methylphenol	59-50-7	480	480	U		ug/kg	SW846 8270B
4-Chloroaniline	106-47-8	480	480	U		ug/kg	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	480	480	U		ug/kg	SW846 8270B
4-Methylphenol	106-44-5	480	480	U		ug/kg	SW846 8270B
4-Nitroaniline	100-01-6	2400	2400	U		ug/kg	SW846 8270B
4-Nitrophenol	100-02-7	2400	2400	U		ug/kg	SW846 8270B
Acenaphthene	83-32-9	480	480	U		ug/kg	SW846 8270B
Acenaphthylene	208-96-8	480	480	U		ug/kg	SW846 8270B
Anthracene	120-12-7	480	480	U		ug/kg	SW846 8270B
Benzo(a)anthracene	56-55-3	480	480	U		ug/kg	SW846 8270B
Benzo(a)pyrene	50-32-8	480	480	U		ug/kg	SW846 8270B
Benzo(b)fluoranthene	205-99-2	480	480	U		ug/kg	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	480	480	U		ug/kg	SW846 8270B
Benzo(k)fluoranthene	207-08-9	480	480	U		ug/kg	SW846 8270B
Benzoic Acid	65-85-0	2400	2400	U		ug/kg	SW846 8270B
Benzyl Alcohol	100-51-6	480	480	U		ug/kg	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	480	480	U		ug/kg	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	480	480	U		ug/kg	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	700	480			ug/kg	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	480	480	U		ug/kg	SW846 8270B
Chrysene	218-01-9	480	480	U		ug/kg	SW846 8270B
Di-n-butyl Phthalate	84-74-2	170	480	J		ug/kg	SW846 8270B
Di-n-octyl Phthalate	117-84-0	170	480	J		ug/kg	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	480	480	U		ug/kg	SW846 8270B
Dibenzofuran	132-64-9	480	480	U		ug/kg	SW846 8270B
Diethyl Phthalate	84-66-2	480	480	U		ug/kg	SW846 8270B
Dimethyl Phthalate	131-11-3	480	480	U		ug/kg	SW846 8270B
Fluoranthene	206-44-0	480	480	U		ug/kg	SW846 8270B
Fluorene	86-73-7	480	480	U		ug/kg	SW846 8270B
Hexachlorobenzene	118-74-1	480	480	U		ug/kg	SW846 8270B
Hexachlorobutadiene	87-68-3	480	480	U		ug/kg	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	480	480	U		ug/kg	SW846 8270B
Hexachloroethane	67-72-1	480	480	U		ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	480	480	U		ug/kg	SW846 8270B
Isophorone	78-59-1	480	480	U		ug/kg	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	480	480	U		ug/kg	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	480	480	U		ug/kg	SW846 8270B
Naphthalene	91-20-3	480	480	U		ug/kg	SW846 8270B
Nitrobenzene	98-95-3	480	480	U		ug/kg	SW846 8270B
Pentachlorophenol	87-86-5	2400	2400	U		ug/kg	SW846 8270B
Phenanthrene	85-01-8	480	480	U		ug/kg	SW846 8270B
Phenol	108-95-2	480	480	U		ug/kg	SW846 8270B
Pyrene	129-00-0	480	480	U		ug/kg	SW846 8270B
Pyridine	110-86-1	480	480	U		ug/kg	SW846 8270B

Location: SW131
Sample ID: 27SD131 **Depth:** NA
COE Sample ID: FH027-SD131/11-16-96
Date Collected: 11/16/96

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

Location: SW131
Sample ID: 27SW131 **Depth:** NA
COE Sample ID: FH027-SW131/11-16-96
Date Collected: 11/16/96

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	52.9	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	1.6	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	0.8	0.80	U		ug/l	SW846 6010
Lead	7439-92-1	1.7	1.7	U		ug/l	SW846 6010
Mercury	7439-97-6	0.16	0.10	B		ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	10	10	U		ug/l	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	10	10	U		ug/l	SW846 8270B
1,2-Dichlorobenzene	95-50-1	10	10	U		ug/l	SW846 8270B
1,3-Dichlorobenzene	541-73-1	10	10	U		ug/l	SW846 8270B
1,4-Dichlorobenzene	106-46-7	10	10	U		ug/l	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U		ug/l	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	50	50	U		ug/l	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	10	10	U		ug/l	SW846 8270B
2,4-Dichlorophenol	120-83-2	10	10	U		ug/l	SW846 8270B
2,4-Dimethylphenol	105-67-9	10	10	U		ug/l	SW846 8270B
2,4-Dinitrophenol	51-28-5	50	50	U		ug/l	SW846 8270B
2,4-Dinitrotoluene	121-14-2	10	10	U		ug/l	SW846 8270B
2,6-Dinitrotoluene	606-20-2	10	10	U		ug/l	SW846 8270B
2-Chloronaphthalene	91-58-7	10	10	U		ug/l	SW846 8270B
2-Chlorophenol	95-57-8	10	10	U		ug/l	SW846 8270B
2-Methylnaphthalene	91-57-6	3	10	J		ug/l	SW846 8270B
2-Methylphenol	95-48-7	10	10	U		ug/l	SW846 8270B
2-Nitroaniline	88-74-4	50	50	U		ug/l	SW846 8270B
2-Nitrophenol	88-75-5	10	10	U		ug/l	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	20	20	U		ug/l	SW846 8270B
3-Nitroaniline	99-09-2	50	50	U		ug/l	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	50	50	U		ug/l	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U		ug/l	SW846 8270B
4-chloro-3-methylphenol	59-50-7	10	10	U		ug/l	SW846 8270B
4-Chloroaniline	106-47-8	10	10	U		ug/l	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	10	10	U		ug/l	SW846 8270B
4-Methylphenol	106-44-5	2	10	J		ug/l	SW846 8270B
4-Nitroaniline	100-01-6	50	50	U		ug/l	SW846 8270B
4-Nitrophenol	100-02-7	50	50	U		ug/l	SW846 8270B
Acenaphthene	83-32-9	10	10	U		ug/l	SW846 8270B
Acenaphthylene	208-96-8	10	10	U		ug/l	SW846 8270B
Anthracene	120-12-7	10	10	U		ug/l	SW846 8270B
Benzo(a)anthracene	56-55-3	10	10	U		ug/l	SW846 8270B
Benzo(a)pyrene	50-32-8	10	10	U		ug/l	SW846 8270B
Benzo(b)fluoranthene	205-99-2	10	10	U		ug/l	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	10	10	U		ug/l	SW846 8270B
Benzo(k)fluoranthene	207-08-9	10	10	U		ug/l	SW846 8270B
Benzoic Acid	65-85-0	50	50	U		ug/l	SW846 8270B
Benzyl Alcohol	100-51-6	5	10	J		ug/l	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	10	10	U		ug/l	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	10	10	U		ug/l	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	10	10	U		ug/l	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	10	10	U		ug/l	SW846 8270B
Chrysene	218-01-9	10	10	U		ug/l	SW846 8270B
Di-n-butyl Phthalate	84-74-2	2	10	J		ug/l	SW846 8270B
Di-n-octyl Phthalate	117-84-0	10	10	U		ug/l	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	10	10	U		ug/l	SW846 8270B
Dibenzofuran	132-64-9	10	10	U		ug/l	SW846 8270B
Diethyl Phthalate	84-66-2	10	10	U		ug/l	SW846 8270B
Dimethyl Phthalate	131-11-3	1	10	J		ug/l	SW846 8270B
Fluoranthene	206-44-0	10	10	U		ug/l	SW846 8270B

Location: SW131
Sample ID: 27SW131 **Depth:** NA
COE Sample ID: FH027-SW131/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	10	10	U		ug/l	SW846 8270B
Hexachlorobenzene	118-74-1	10	10	U		ug/l	SW846 8270B
Hexachlorobutadiene	87-68-3	10	10	U		ug/l	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	10	10	U		ug/l	SW846 8270B
Hexachloroethane	67-72-1	10	10	U		ug/l	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U		ug/l	SW846 8270B
Isophorone	78-59-1	10	10	U		ug/l	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	10	10	U		ug/l	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	10	10	U		ug/l	SW846 8270B
Naphthalene	91-20-3	10	10	U		ug/l	SW846 8270B
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270B
Pentachlorophenol	87-86-5	50	50	U		ug/l	SW846 8270B
Phenanthrene	85-01-8	10	10	U		ug/l	SW846 8270B
Phenol	108-95-2	10	10	U		ug/l	SW846 8270B
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270B
Pyridine	110-86-1	50	50	U		ug/l	SW846 8270B
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	44	5			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	5	5	U		ug/l	SW846 8260
Bromodichloromethane	75-27-4	3	5	J		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	4	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	10	5			ug/l	SW846 8260

Location: SW131
Sample ID: 27SW131 **Depth:** NA
COE Sample ID: FH027-SW131/11-16-96
Date Collected: 11/16/96

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	16	5			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	21	5			ug/l	SW846 8260
o-Xylene	95-47-6	8	5			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	1	5	J		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: SW132
Sample ID: 27SD132 **Depth:** NA
COE Sample ID: FH027-SD132/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.2	0.50			mg/kg	SW846 6010
Barium	7440-39-3	54.6	0.12			mg/kg	SW846 6010
Cadmium	7440-43-9	7.5	0.06	E	J	mg/kg	SW846 6010
Chromium	7440-47-3	25.4	0.12	E	J	mg/kg	SW846 6010
Lead	7439-92-1	31.2	0.21	E	J	mg/kg	SW846 6010
Mercury	7439-97-6	0.05	0.05	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.5	0.46	B		mg/kg	SW846 6010
Silver	7440-22-4	0.29	0.29	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	500	500	U		ug/kg	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	500	500	U		ug/kg	SW846 8270B
1,2-Dichlorobenzene	95-50-1	500	500	U		ug/kg	SW846 8270B
1,3-Dichlorobenzene	541-73-1	500	500	U		ug/kg	SW846 8270B
1,4-Dichlorobenzene	106-46-7	500	500	U		ug/kg	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	500	500	U		ug/kg	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	2400	2400	U		ug/kg	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	500	500	U		ug/kg	SW846 8270B
2,4-Dichlorophenol	120-83-2	500	500	U		ug/kg	SW846 8270B
2,4-Dimethylphenol	105-67-9	500	500	U		ug/kg	SW846 8270B
2,4-Dinitrophenol	51-28-5	2400	2400	U		ug/kg	SW846 8270B
2,4-Dinitrotoluene	121-14-2	500	500	U		ug/kg	SW846 8270B
2,6-Dinitrotoluene	606-20-2	500	500	U		ug/kg	SW846 8270B
2-Chloronaphthalene	91-58-7	500	500	U		ug/kg	SW846 8270B
2-Chlorophenol	95-57-8	500	500	U		ug/kg	SW846 8270B
2-Methylnaphthalene	91-57-6	500	500	U		ug/kg	SW846 8270B
2-Methylphenol	95-48-7	500	500	U		ug/kg	SW846 8270B
2-Nitroaniline	88-74-4	2400	2400	U		ug/kg	SW846 8270B
2-Nitrophenol	88-75-5	500	500	U		ug/kg	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	1000	1000	U		ug/kg	SW846 8270B
3-Nitroaniline	99-09-2	2400	2400	U		ug/kg	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	2400	2400	U		ug/kg	SW846 8270B

Location: SW132
Sample ID: 27SD132 **Depth:** NA
COE Sample ID: FH027-SD132/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Bromophenyl-phenyl Ether	101-55-3	500	500	U		ug/kg	SW846 8270B
4-chloro-3-methylphenol	59-50-7	500	500	U		ug/kg	SW846 8270B
4-Chloroaniline	106-47-8	500	500	U		ug/kg	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	500	500	U		ug/kg	SW846 8270B
4-Methylphenol	106-44-5	500	500	U		ug/kg	SW846 8270B
4-Nitroaniline	100-01-6	2400	2400	U		ug/kg	SW846 8270B
4-Nitrophenol	100-02-7	2400	2400	U		ug/kg	SW846 8270B
Acenaphthene	83-32-9	500	500	U		ug/kg	SW846 8270B
Acenaphthylene	208-96-8	500	500	U		ug/kg	SW846 8270B
Anthracene	120-12-7	500	500	U		ug/kg	SW846 8270B
Benzo(a)anthracene	56-55-3	500	500	U		ug/kg	SW846 8270B
Benzo(a)pyrene	50-32-8	500	500	U		ug/kg	SW846 8270B
Benzo(b)fluoranthene	205-99-2	500	500	U		ug/kg	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	500	500	U		ug/kg	SW846 8270B
Benzo(k)fluoranthene	207-08-9	500	500	U		ug/kg	SW846 8270B
Benzoic Acid	65-85-0	53	2400	J		ug/kg	SW846 8270B
Benzyl Alcohol	100-51-6	500	500	U		ug/kg	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	500	500	U		ug/kg	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	500	500	U		ug/kg	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	950	500			ug/kg	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	64	500	J		ug/kg	SW846 8270B
Chrysene	218-01-9	500	500	U		ug/kg	SW846 8270B
Di-n-butyl Phthalate	84-74-2	500	500	U		ug/kg	SW846 8270B
Di-n-octyl Phthalate	117-84-0	500	500	U		ug/kg	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	500	500	U		ug/kg	SW846 8270B
Dibenzofuran	132-64-9	500	500	U		ug/kg	SW846 8270B
Diethyl Phthalate	84-66-2	500	500	U		ug/kg	SW846 8270B
Dimethyl Phthalate	131-11-3	500	500	U		ug/kg	SW846 8270B
Fluoranthene	206-44-0	500	500	U		ug/kg	SW846 8270B
Fluorene	86-73-7	500	500	U		ug/kg	SW846 8270B
Hexachlorobenzene	118-74-1	500	500	U		ug/kg	SW846 8270B
Hexachlorobutadiene	87-68-3	500	500	U		ug/kg	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	500	500	U		ug/kg	SW846 8270B
Hexachloroethane	67-72-1	500	500	U		ug/kg	SW846 8270B
Indeno(1,2,3-cd)pyrene	193-39-5	500	500	U		ug/kg	SW846 8270B
Isophorone	78-59-1	500	500	U		ug/kg	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	500	500	U		ug/kg	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	500	500	U		ug/kg	SW846 8270B
Naphthalene	91-20-3	500	500	U		ug/kg	SW846 8270B
Nitrobenzene	98-95-3	500	500	U		ug/kg	SW846 8270B
Pentachlorophenol	87-86-5	2400	2400	U		ug/kg	SW846 8270B
Phenanthrene	85-01-8	500	500	U		ug/kg	SW846 8270B
Phenol	108-95-2	500	500	U		ug/kg	SW846 8270B
Pyrene	129-00-0	93	500	J		ug/kg	SW846 8270B
Pyridine	110-86-1	500	500	U		ug/kg	SW846 8270B
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	8	8	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	8	8	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	8	8	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	8	8	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	8	8	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	8	8	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	8	8	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	8	8	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	8	8	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	8	8	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	8	8	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	8	8	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	8	8	U	U	ug/kg	SW846 8260

Location: SW132
Sample ID: 27SD132 **Depth:** NA
COE Sample ID: FH027-SD132/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloroethane	107-06-2	8	8	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	8	8	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	8	8	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	8	8	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	8	8	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	8	8	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	8	8	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	8	8	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	8	8	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	8	8	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	8	8	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	8	8	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	8	8	U	U	ug/kg	SW846 8260
Acetone	67-64-1	37	8	B	U	ug/kg	SW846 8260
Benzene	71-43-2	8	8	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	8	8	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	8	8	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	8	8	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	8	8	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	8	8	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	8	8	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	8	8	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	8	8	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	8	8	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	8	8	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	8	8	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	8	8	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	8	8	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	8	8	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	8	8	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	8	8	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	8	8	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	8	8	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	8	8	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	8	8	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	8	8	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	8	8	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	8	8	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	8	8	U	U	ug/kg	SW846 8260
Styrene	100-42-5	8	8	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	8	8	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	8	8	U	U	ug/kg	SW846 8260
Toluene	108-88-3	8	8	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	8	8	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	8	8	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	8	8	U	U	ug/kg	SW846 8260

Location: SW132
Sample ID: 27SW132 **Depth:** NA
COE Sample ID: FH027-SW132/11-16-96
Date Collected: 11/16/96

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	45.8	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	0.64	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	0.88	0.80	B		ug/l	SW846 6010

Location: SW132
Sample ID: 27SW132 **Depth:** NA
COE Sample ID: FH027-SW132/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Lead	7439-92-1	2.8	1.7	B		ug/l	SW846 6010
Mercury	7439-97-6	0.34	0.10			ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	10	10	U	U	ug/l	SW846 8270B
1,2,4-Trichlorobenzene	120-82-1	10	10	U	U	ug/l	SW846 8270B
1,2-Dichlorobenzene	95-50-1	10	10	U	U	ug/l	SW846 8270B
1,3-Dichlorobenzene	541-73-1	10	10	U	U	ug/l	SW846 8270B
1,4-Dichlorobenzene	106-46-7	10	10	U	U	ug/l	SW846 8270B
2,2'-oxybis(1-chloropropane)	108-60-1	10	10	U	U	ug/l	SW846 8270B
2,4,5-Trichlorophenol	95-95-4	50	50	U	U	ug/l	SW846 8270B
2,4,6-Trichlorophenol	88-06-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dichlorophenol	120-83-2	10	10	U	U	ug/l	SW846 8270B
2,4-Dimethylphenol	105-67-9	10	10	U	U	ug/l	SW846 8270B
2,4-Dinitrophenol	51-28-5	50	50	U	U	ug/l	SW846 8270B
2,4-Dinitrotoluene	121-14-2	10	10	U	U	ug/l	SW846 8270B
2,6-Dinitrotoluene	606-20-2	10	10	U	U	ug/l	SW846 8270B
2-Chloronaphthalene	91-58-7	10	10	U	U	ug/l	SW846 8270B
2-Chlorophenol	95-57-8	10	10	U	U	ug/l	SW846 8270B
2-Methylnaphthalene	91-57-6	10	10	U	U	ug/l	SW846 8270B
2-Methylphenol	95-48-7	10	10	U	U	ug/l	SW846 8270B
2-Nitroaniline	88-74-4	50	50	U	U	ug/l	SW846 8270B
2-Nitrophenol	88-75-5	10	10	U	U	ug/l	SW846 8270B
3,3'-Dichlorobenzidine	91-94-1	20	20	U	U	ug/l	SW846 8270B
3-Nitroaniline	99-09-2	50	50	U	U	ug/l	SW846 8270B
4,6-Dinitro-o-Cresol	534-52-1	50	50	U	U	ug/l	SW846 8270B
4-Bromophenyl-phenyl Ether	101-55-3	10	10	U	U	ug/l	SW846 8270B
4-chloro-3-methylphenol	59-50-7	10	10	U	U	ug/l	SW846 8270B
4-Chloroaniline	106-47-8	10	10	U	U	ug/l	SW846 8270B
4-Chlorophenyl-phenylether	7005-72-3	10	10	U	U	ug/l	SW846 8270B
4-Methylphenol	106-44-5	10	10	U	U	ug/l	SW846 8270B
4-Nitroaniline	100-01-6	50	50	U	U	ug/l	SW846 8270B
4-Nitrophenol	100-02-7	50	50	U	U	ug/l	SW846 8270B
Acenaphthene	83-32-9	10	10	U	U	ug/l	SW846 8270B
Acenaphthylene	208-96-8	10	10	U	U	ug/l	SW846 8270B
Anthracene	120-12-7	10	10	U	U	ug/l	SW846 8270B
Benzo(a)anthracene	56-55-3	10	10	U	U	ug/l	SW846 8270B
Benzo(a)pyrene	50-32-8	10	10	U	U	ug/l	SW846 8270B
Benzo(b)fluoranthene	205-99-2	10	10	U	U	ug/l	SW846 8270B
Benzo(g,h,i)perylene	191-24-2	10	10	U	U	ug/l	SW846 8270B
Benzo(k)fluoranthene	207-08-9	10	10	U	U	ug/l	SW846 8270B
Benzoic Acid	65-85-0	50	50	U	U	ug/l	SW846 8270B
Benzyl Alcohol	100-51-6	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethoxy)methane	111-91-1	10	10	U	U	ug/l	SW846 8270B
Bis(2-chloroethyl)ether	111-44-4	10	10	U	U	ug/l	SW846 8270B
Bis(2-ethylhexyl)phthalate	117-81-7	1	10	JB	U	ug/l	SW846 8270B
Butyl Benzyl Phthalate	85-68-7	10	10	U	U	ug/l	SW846 8270B
Chrysene	218-01-9	10	10	U	U	ug/l	SW846 8270B
Di-n-butyl Phthalate	84-74-2	10	10	U	U	ug/l	SW846 8270B
Di-n-octyl Phthalate	117-84-0	10	10	U	U	ug/l	SW846 8270B
Dibenz(a,h)anthracene	53-70-3	10	10	U	U	ug/l	SW846 8270B
Dibenzofuran	132-64-9	10	10	U	U	ug/l	SW846 8270B
Diethyl Phthalate	84-66-2	10	10	U	U	ug/l	SW846 8270B
Dimethyl Phthalate	131-11-3	10	10	U	U	ug/l	SW846 8270B
Fluoranthene	206-44-0	10	10	U	U	ug/l	SW846 8270B
Fluorene	86-73-7	10	10	U	U	ug/l	SW846 8270B
Hexachlorobenzene	118-74-1	10	10	U	U	ug/l	SW846 8270B
Hexachlorobutadiene	87-68-3	10	10	U	U	ug/l	SW846 8270B
Hexachlorocyclopentadiene	77-47-4	10	10	U	U	ug/l	SW846 8270B
Hexachloroethane	67-72-1	10	10	U	U	ug/l	SW846 8270B

Location: SW132
Sample ID: 27SW132 **Depth:** NA
COE Sample ID: FH027-SW132/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Indeno(1,2,3-cd)pyrene	193-39-5	10	10	U	U	ug/l	SW846 8270B
Isophorone	78-59-1	10	10	U	U	ug/l	SW846 8270B
N-Nitroso-di-n-propylamine	621-64-7	10	10	U	U	ug/l	SW846 8270B
N-Nitrosodiphenylamine	86-30-6	10	10	U	U	ug/l	SW846 8270B
Naphthalene	91-20-3	10	10	U	U	ug/l	SW846 8270B
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270B
Pentachlorophenol	87-86-5	50	50	U	U	ug/l	SW846 8270B
Phenanthrene	85-01-8	10	10	U	U	ug/l	SW846 8270B
Phenol	108-95-2	10	10	U	U	ug/l	SW846 8270B
Pyrene	129-00-0	10	10	U	U	ug/l	SW846 8270B
Pyridine	110-86-1	50	50	U	U	ug/l	SW846 8270B
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	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

Location: SW132
Sample ID: 27SW132 **Depth:** NA
COE Sample ID: FH027-SW132/11-16-96
Date Collected: 11/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	36	5			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: SW134
Sample ID: 27SW134 **Depth:** NA
COE Sample ID: FH027-SW134/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.1	2.5	B	U	ug/l	SW846 6010
Barium	7440-39-3	122	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	6.7	0.50			ug/l	SW846 6010
Chromium	7440-47-3	37.4	0.80			ug/l	SW846 6010
Lead	7439-92-1	8.6	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	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	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	J	ug/l	SW846 8270

Location: SW134
Sample ID: 27SW134 **Depth:** NA
COE Sample ID: FH027-SW134/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	2	50	J	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	4	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	18	10			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	8	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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	14	5			ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	3	5	J		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240

Location: SW134
Sample ID: 27SW134 **Depth:** NA
COE Sample ID: FH027-SW134/11-20-96
Date Collected: 11/20/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	2	5	J		ug/l	SW846 8240
Bromoform	75-25-2	2	5	J		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	2	5	J		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5			ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	4	5	J		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	4	5	J		ug/l	SW846 8240
o-Xylene	95-47-6	1	5	J		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW135
Sample ID: 27SW135 **Depth:** NA
COE Sample ID: FH027-SW135/12-14-96
Date Collected: 12/14/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	11.2	2.5			ug/l	SW846 6010
Barium	7440-39-3	187	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	12.9	0.50			ug/l	SW846 6010
Chromium	7440-47-3	29.6	0.80			ug/l	SW846 6010
Lead	7439-92-1	22.5	1.7	*	J	ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U	U	ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	U	U	ug/l	SW846 6010
Silver	7440-22-4	1.2	1.2	U	U	ug/l	SW846 6010

Location: SW135
Sample ID: 27SW135 **Depth:** NA
COE Sample ID: FH027-SW135/12-14-96
Date Collected: 12/14/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	46	10			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	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	2	10	J		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
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	37	10			ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U		ug/l	SW846 8270

Location: SW135
Sample ID: 27SW135 **Depth:** NA
COE Sample ID: FH027-SW135/12-14-96
Date Collected: 12/14/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	200	5			ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	100	5			ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	2	5	J		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	3	5	J		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	12	5			ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	8	5			ug/l	SW846 8240
m,p-Xylene	13-302-07	65	5			ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	6	5			ug/l	SW846 8240
n-propylbenzene	103-65-1	18	5			ug/l	SW846 8240
Naphthalene	91-20-3	52	5			ug/l	SW846 8240
o-Xylene	95-47-6	32	5			ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	19	5			ug/l	SW846 8240
sec-Butylbenzene	135-98-8	6	5			ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240

Location: SW135
Sample ID: 27SW135 **Depth:** NA
COE Sample ID: FH027-SW135/12-14-96
Date Collected: 12/14/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	8	5			ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW136
Sample ID: 27SW136 **Depth:** NA
COE Sample ID: FH027-SW136/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.5	2.5	B		ug/l	SW846 6010
Barium	7440-39-3	104	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	11.9	0.50			ug/l	SW846 6010
Chromium	7440-47-3	12.8	0.80			ug/l	SW846 6010
Lead	7439-92-1	20.1	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 7470
Selenium	7782-49-2	2.8	2.8	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	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	7	10	J		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

Location: SW136
Sample ID: 27SW136 **Depth:** NA
COE Sample ID: FH027-SW136/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	10	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	2	10	J		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
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	4	10	J		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	3	10	J		ug/l	SW846 8270
Pyrene	129-00-0	10	10	U		ug/l	SW846 8270
Pyridine	110-86-1	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	2	5	J		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	J		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240

Location: SW136
Sample ID: 27SW136 **Depth:** NA
COE Sample ID: FH027-SW136/12-16-96
Date Collected: 12/16/96

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

Location: SW137
Sample ID: 27SD137 **Depth:** NA
COE Sample ID: FH027-SD137/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.7	0.53			mg/kg	SW846 6010
Barium	7440-39-3	49.6	0.13			mg/kg	SW846 6010
Cadmium	7440-43-9	14.8	0.06			mg/kg	SW846 6010
Chromium	7440-47-3	16.2	0.13			mg/kg	SW846 6010
Lead	7439-92-1	76.3	0.22			mg/kg	SW846 6010
Mercury	7439-97-6	0.05	0.05	U	U	mg/kg	SW846 6010
Selenium	7782-49-2	0.56	0.48	B	U	mg/kg	SW846 6010
Silver	7440-22-4	0.3	0.30	U	U	mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	530	530	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	530	530	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	530	530	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	530	530	U		ug/kg	SW846 8270

Location: SW137
Sample ID: 27SD137 **Depth:** NA
COE Sample ID: FH027-SD137/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,4-Dichlorobenzene	106-46-7	530	530	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	530	530	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2600	2600	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	530	530	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	530	530	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	530	530	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2600	2600	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	530	530	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	530	530	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	530	530	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	530	530	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	530	530	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	530	530	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2600	2600	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	530	530	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	1100	1100	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2600	2600	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2600	2600	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	530	530	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	530	530	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	530	530	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	530	530	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	530	530	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2600	2600	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2600	2600	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	530	530	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	530	530	U		ug/kg	SW846 8270
Anthracene	120-12-7	530	530	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	530	530	U		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	530	530	U		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	530	530	U		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	60	530	J		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	530	530	U		ug/kg	SW846 8270
Benzoic Acid	65-85-0	340	2600	J		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	530	530	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	530	530	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	530	530	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	1200	530			ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	530	530	U		ug/kg	SW846 8270
Chrysene	218-01-9	530	530	U		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	530	530	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	530	530	U		ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	530	530	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	530	530	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	530	530	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	530	530	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	140	530	J		ug/kg	SW846 8270
Fluorene	86-73-7	530	530	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	530	530	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	530	530	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	530	530	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	530	530	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	530	530	U		ug/kg	SW846 8270
Isophorone	78-59-1	530	530	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	530	530	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	530	530	U		ug/kg	SW846 8270
Naphthalene	91-20-3	530	530	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	530	530	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2600	2600	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	530	530	U		ug/kg	SW846 8270
Phenol	108-95-2	530	530	U		ug/kg	SW846 8270
Pyrene	129-00-0	130	530	J		ug/kg	SW846 8270
Pyridine	110-86-1	530	530	U		ug/kg	SW846 8270

Location: SW137
Sample ID: 27SD137 **Depth:** NA
COE Sample ID: FH027-SD137/11-17-96
Date Collected: 11/17/96

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

Location: SW137
Sample ID: 27SW137 **Depth:** NA
COE Sample ID: FH027-SW137/11-17-96
Date Collected: 11/17/96

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	47	0.30			ug/l	SW846 6010
Cadmium	7440-43-9	1.8	0.50	B		ug/l	SW846 6010
Chromium	7440-47-3	2.8	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	3.6	1.7			ug/l	SW846 6010
Mercury	7439-97-6	0.15	0.10	B		ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	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	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	3	10	JB	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

Location: SW137
Sample ID: 27SW137 **Depth:** NA
COE Sample ID: FH027-SW137/11-17-96
Date Collected: 11/17/96

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	1	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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	3	5	J		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	2	5	J		ug/l	SW846 8240
Acetone	67-64-1	16	5			ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	4	5	J		ug/l	SW846 8240
Bromoform	75-25-2	1	5	J		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	2	5	J		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	2	5	J		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240

Location: SW137
Sample ID: 27SW137 **Depth:** NA
COE Sample ID: FH027-SW137/11-17-96
Date Collected: 11/17/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	1	5	J		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	3	5	J		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: SW138
Sample ID: 27SD138 **Depth:** NA
COE Sample ID: FH027-SD138/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4	0.34			mg/kg	SW846 6010
Barium	7440-39-3	50.3	0.04			mg/kg	SW846 6010
Cadmium	7440-43-9	1.3	0.07			mg/kg	SW846 6010
Chromium	7440-47-3	9.1	0.11			mg/kg	SW846 6010
Lead	7439-92-1	18.3	0.23			mg/kg	SW846 6010
Mercury	7439-97-6	0.02	0.02	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.38	0.38	U		mg/kg	SW846 6010
Silver	7440-22-4	0.16	0.16	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	440	440	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	440	440	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	440	440	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	440	440	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	440	440	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	440	440	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2200	2200	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	440	440	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	440	440	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	440	440	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2200	2200	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	440	440	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	440	440	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	440	440	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	440	440	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	440	440	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	440	440	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2200	2200	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	440	440	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	890	890	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2200	2200	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2200	2200	U	U	ug/kg	SW846 8270

Location: SW138
Sample ID: 27SD138 **Depth:** NA
COE Sample ID: FH027-SD138/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Bromophenyl-phenyl Ether	101-55-3	440	440	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	440	440	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	440	440	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	440	440	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	440	440	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2200	2200	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2200	2200	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	440	440	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	440	440	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	440	440	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	87	440	J	J	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	67	440	J	J	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	77	440	J	J	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	440	440	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	150	440	J	J	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2200	2200	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	440	440	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	440	440	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	440	440	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	890	440	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	440	440	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	130	440	J	J	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	440	440	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	1000	440			ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	440	440	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	440	440	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	440	440	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	440	440	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	200	440	J	J	ug/kg	SW846 8270
Fluorene	86-73-7	440	440	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	440	440	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	440	440	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	440	440	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	440	440	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	440	440	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	440	440	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	440	440	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	440	440	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	440	440	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	440	440	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2200	2200	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	54	440	J	J	ug/kg	SW846 8270
Phenol	108-95-2	440	440	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	350	440	J	J	ug/kg	SW846 8270
Pyridine	110-86-1	440	440	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260

Location: SW138
Sample ID: 27SD138 **Depth:** NA
COE Sample ID: FH027-SD138/11-21-96
Date Collected: 11/21/96

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

Location: SW138
Sample ID: 27SW138 **Depth:** NA
COE Sample ID: FH027-SW138/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.3	3.3	U		ug/l	SW846 6010
Barium	7440-39-3	116	0.80			ug/l	SW846 6010
Cadmium	7440-43-9	6.8	0.40			ug/l	SW846 6010
Chromium	7440-47-3	1.6	0.80	B		ug/l	SW846 6010

Location: SW138
Sample ID: 27SW138 **Depth:** NA
COE Sample ID: FH027-SW138/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Lead	7439-92-1	2.7	1.4	B		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	3.2	2.8	B		ug/l	SW846 6010
Silver	7440-22-4	1.9	1.9	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	2	50	J	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	3	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

Location: SW138
Sample ID: 27SW138 **Depth:** NA
COE Sample ID: FH027-SW138/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	15	5			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	9	5			ug/l	SW846 8260
Acetone	67-64-1	27	5		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	2	5	J	U	ug/l	SW846 8260
n-Butylbenzene	104-51-8	5	5	U	U	ug/l	SW846 8260

Location: SW138
Sample ID: 27SW138 **Depth:** NA
COE Sample ID: FH027-SW138/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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: SW139
Sample ID: 27SD139 **Depth:** NA
COE Sample ID: FH027-SD139/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.5	0.36			mg/kg	SW846 6010
Barium	7440-39-3	56.6	0.04			mg/kg	SW846 6010
Cadmium	7440-43-9	7.9	0.07			mg/kg	SW846 6010
Chromium	7440-47-3	12.2	0.11			mg/kg	SW846 6010
Lead	7439-92-1	37.8	0.24			mg/kg	SW846 6010
Mercury	7439-97-6	0.02	0.02	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.48	0.40	B		mg/kg	SW846 6010
Silver	7440-22-4	0.17	0.17	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	470	470	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	470	470	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	470	470	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	470	470	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	470	470	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	470	470	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2300	2300	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	470	470	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	470	470	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	470	470	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2300	2300	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	470	470	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	470	470	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	470	470	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	470	470	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	220	470	J	J	ug/kg	SW846 8270
2-Methylphenol	95-48-7	470	470	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2300	2300	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	470	470	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	940	940	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2300	2300	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2300	2300	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	470	470	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	470	470	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	470	470	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	470	470	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	2400	470			ug/kg	SW846 8270

Location: SW139
Sample ID: 27SD139 **Depth:** NA
COE Sample ID: FH027-SD139/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
4-Nitroaniline	100-01-6	2300	2300	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2300	2300	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	470	470	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	470	470	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	470	470	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	470	470	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	470	470	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	470	470	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	470	470	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	470	470	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2300	2300	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	470	470	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	470	470	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	470	470	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	4100	470	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	470	470	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	470	470	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	470	470	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	5100	470			ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	470	470	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	470	470	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	470	470	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	470	470	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	83	470	J	J	ug/kg	SW846 8270
Fluorene	86-73-7	470	470	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	470	470	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	470	470	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	470	470	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	470	470	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	470	470	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	470	470	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	470	470	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	470	470	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	75	470	J	J	ug/kg	SW846 8270
Nitrobenzene	98-95-3	470	470	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2300	2300	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	56	470	J	J	ug/kg	SW846 8270
Phenol	108-95-2	470	470	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	150	470	J	J	ug/kg	SW846 8270
Pyridine	110-86-1	470	470	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	7	7	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	7	7	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	7	7	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	7	7	U	U	ug/kg	SW846 8260

Location: SW139
Sample ID: 27SD139 **Depth:** NA
COE Sample ID: FH027-SD139/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,3-Dichloropropane	142-28-9	7	7	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	7	7	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	7	7	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	86	7			ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	7	7	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	7	7	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	7	7	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	11	7			ug/kg	SW846 8260
Acetone	67-64-1	110	7	B		ug/kg	SW846 8260
Benzene	71-43-2	7	7	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	7	7	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	7	7	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	7	7	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	7	7	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	7	7	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	7	7	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	7	7	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	7	7	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	7	7	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	7	7	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	7	7	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	7	7	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	7	7	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	7	7	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	7	7	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	7	7	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	7	7	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	7	7	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	7	7	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	7	7	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	7	7	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	7	7	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	7	7	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	7	7	U	U	ug/kg	SW846 8260
Styrene	100-42-5	7	7	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	7	7	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	7	7	U	U	ug/kg	SW846 8260
Toluene	108-88-3	14	7			ug/kg	SW846 8260
Trichloroethene	79-01-6	7	7	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	7	7	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	7	7	U	U	ug/kg	SW846 8260

Location: SW139
Sample ID: 27SW139 **Depth:** NA
COE Sample ID: FH027-SW139/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.9	3.3	B		ug/l	SW846 6010
Barium	7440-39-3	176	0.80			ug/l	SW846 6010
Cadmium	7440-43-9	5.7	0.40			ug/l	SW846 6010
Chromium	7440-47-3	21.4	0.80			ug/l	SW846 6010
Lead	7439-92-1	16.2	1.4			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	3.8	2.8	B		ug/l	SW846 6010
Silver	7440-22-4	1.9	1.9	U		ug/l	SW846 6010

Location: SW139
Sample ID: 27SW139 **Depth:** NA
COE Sample ID: FH027-SW139/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	3	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	4	50	J	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			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	1	10	J	J	ug/l	SW846 8270
Nitrobenzene	98-95-3	10	10	U	U	ug/l	SW846 8270

Location: SW139
Sample ID: 27SW139 **Depth:** NA
COE Sample ID: FH027-SW139/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	3	5	J	J	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	2	5	J	J	ug/l	SW846 8260
Acetone	67-64-1	22	5		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	1	5	J	J	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	2	5	J	J	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	2	5	J	J	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

Location: SW139
Sample ID: 27SW139 **Depth:** NA
COE Sample ID: FH027-SW139/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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: SW140
Sample ID: 27SD140 **Depth:** NA
COE Sample ID: FH027-SD140/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	5.1	0.36			mg/kg	SW846 6010
Barium	7440-39-3	57.5	0.04			mg/kg	SW846 6010
Cadmium	7440-43-9	0.78	0.07			mg/kg	SW846 6010
Chromium	7440-47-3	12.7	0.12			mg/kg	SW846 6010
Lead	7439-92-1	13.3	0.24			mg/kg	SW846 6010
Mercury	7439-97-6	0.02	0.02	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.4	0.40	U		mg/kg	SW846 6010
Silver	7440-22-4	0.17	0.17	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	470	470	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	470	470	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	470	470	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	470	470	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	470	470	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	470	470	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2300	2300	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	470	470	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	470	470	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	470	470	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2300	2300	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	470	470	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	470	470	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	470	470	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	470	470	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	470	470	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	470	470	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2300	2300	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	470	470	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	940	940	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2300	2300	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2300	2300	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	470	470	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	470	470	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	470	470	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	470	470	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	470	470	U	U	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2300	2300	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2300	2300	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	470	470	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	470	470	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	50	470	J	J	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	150	470	J	J	ug/kg	SW846 8270

Location: SW140
Sample ID: 27SD140 **Depth:** NA
COE Sample ID: FH027-SD140/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Benzo(a)pyrene	50-32-8	77	470	J	J	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	200	470	J	J	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	50	470	J	J	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	150	470	J	J	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2300	2300	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	470	470	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	470	470	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	470	470	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	700	470	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	470	470	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	450	470	J	J	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	470	470	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	250	470	J	J	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	470	470	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	470	470	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	470	470	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	470	470	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	810	470			ug/kg	SW846 8270
Fluorene	86-73-7	470	470	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	470	470	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	470	470	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	470	470	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	470	470	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	470	470	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	470	470	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	470	470	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	470	470	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	470	470	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	470	470	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2300	2300	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	540	470			ug/kg	SW846 8270
Phenol	108-95-2	470	470	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	730	470			ug/kg	SW846 8270
Pyridine	110-86-1	470	470	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	7	7	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	7	7	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	7	7	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	7	7	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	7	7	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	7	7	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	7	7	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	17	7			ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	7	7	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	7	7	U	U	ug/kg	SW846 8260

Location: SW140
Sample ID: 27SD140 **Depth:** NA
COE Sample ID: FH027-SD140/11-21-96
Date Collected: 11/21/96

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

Location: SW140
Sample ID: 27SW140 **Depth:** NA
COE Sample ID: FH027-SW140/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.3	3.3	U		ug/l	SW846 6010
Barium	7440-39-3	110	0.80			ug/l	SW846 6010
Cadmium	7440-43-9	1.3	0.40	B		ug/l	SW846 6010
Chromium	7440-47-3	0.81	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	1.4	1.4	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	3.4	2.8	B		ug/l	SW846 6010
Silver	7440-22-4	1.9	1.9	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

Location: SW140
Sample ID: 27SW140 **Depth:** NA
COE Sample ID: FH027-SW140/11-21-96
Date Collected: 11/21/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	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	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	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

Location: SW140
Sample ID: 27SW140 **Depth:** NA
COE Sample ID: FH027-SW140/11-21-96
Date Collected: 11/21/96

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	1	5	J	J	ug/l	SW846 8260
Acetone	67-64-1	34	5		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	2	5	J	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: SW141
Sample ID: 27SD141 **Depth:** NA
COE Sample ID: FH027-SD141/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.5	0.34			mg/kg	SW846 6010
Barium	7440-39-3	64.4	0.04			mg/kg	SW846 6010
Cadmium	7440-43-9	1.6	0.07			mg/kg	SW846 6010
Chromium	7440-47-3	32.9	0.11			mg/kg	SW846 6010
Lead	7439-92-1	169	0.23			mg/kg	SW846 6010
Mercury	7439-97-6	0.02	0.02	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.39	0.39	U		mg/kg	SW846 6010
Silver	7440-22-4	0.17	0.17	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	450	450	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	450	450	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	450	450	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	450	450	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	450	450	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	450	450	U	U	ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2200	2200	U	U	ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	450	450	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	450	450	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	450	450	U	U	ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2200	2200	U	U	ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	450	450	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	450	450	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	450	450	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	450	450	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	450	450	U	U	ug/kg	SW846 8270
2-Methylphenol	95-48-7	450	450	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2200	2200	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	450	450	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	900	900	U	U	ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2200	2200	U	U	ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2200	2200	U	U	ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	450	450	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	450	450	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	450	450	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	450	450	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	210	450	J	J	ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2200	2200	U	U	ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2200	2200	U	U	ug/kg	SW846 8270
Acenaphthene	83-32-9	450	450	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	450	450	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	450	450	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	150	450	J	J	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	180	450	J	J	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	240	450	J	J	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	100	450	J	J	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	230	450	J	J	ug/kg	SW846 8270
Benzoic Acid	65-85-0	46	2200	J	J	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	450	450	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	450	450	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	450	450	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	580	450	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	450	450	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	380	450	J	J	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	450	450	U	U	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	180	450	J	J	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	450	450	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	450	450	U	U	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	450	450	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	450	450	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	240	450	J	J	ug/kg	SW846 8270

Location: SW141
Sample ID: 27SD141 **Depth:** NA
COE Sample ID: FH027-SD141/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Fluorene	86-73-7	450	450	U	U	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	450	450	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	450	450	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	450	450	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	450	450	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	87	450	J	J	ug/kg	SW846 8270
Isophorone	78-59-1	450	450	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	450	450	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	450	450	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	450	450	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	450	450	U	U	ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2200	2200	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	86	450	J	J	ug/kg	SW846 8270
Phenol	108-95-2	450	450	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	350	450	J	J	ug/kg	SW846 8270
Pyridine	110-86-1	450	450	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	7	7	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	7	7	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	7	7	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	7	7	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	7	7	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	7	7	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	7	7	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	7	7	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	7	7	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	7	7	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	7	7	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	7	7	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	7	7	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	7	7	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	7	7	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	7	7	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	7	7	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	7	7	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	7	7	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	7	7	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	7	7	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	7	7	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	7	7	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	7	7	U	U	ug/kg	SW846 8260
Acetone	67-64-1	21	7	B	U	ug/kg	SW846 8260
Benzene	71-43-2	7	7	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	7	7	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	7	7	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	7	7	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	7	7	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	7	7	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	7	7	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	7	7	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	7	7	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	7	7	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	7	7	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	7	7	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	7	7	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	7	7	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	7	7	U	U	ug/kg	SW846 8260

Location: SW141
Sample ID: 27SD141 **Depth:** NA
COE Sample ID: FH027-SD141/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	7	7	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	7	7	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	7	7	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	7	7	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	7	7	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	7	7	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	7	7	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	7	7	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	7	7	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	7	7	U	U	ug/kg	SW846 8260
Styrene	100-42-5	7	7	U	U	ug/kg	SW846 8260
tert-Butylbenzene	98-06-6	7	7	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	7	7	U	U	ug/kg	SW846 8260
Toluene	108-88-3	7	7	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	7	7	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	7	7	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	7	7	U	U	ug/kg	SW846 8260

Location: SW141
Sample ID: 27SW141 **Depth:** NA
COE Sample ID: FH027-SW141/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	21.3	3.3			ug/l	SW846 6010
Barium	7440-39-3	134	0.80			ug/l	SW846 6010
Cadmium	7440-43-9	0.4	0.40	U		ug/l	SW846 6010
Chromium	7440-47-3	0.8	0.80	U		ug/l	SW846 6010
Lead	7439-92-1	3.4	1.4			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	U		ug/l	SW846 6010
Silver	7440-22-4	1.9	1.9	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	7	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	8	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

Location: SW141
Sample ID: 27SW141 **Depth:** NA
COE Sample ID: FH027-SW141/11-22-96
Date Collected: 11/22/96

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	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	4	10	J	U	ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	3	10	J	J	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	36	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	43	10			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	25	25	U		ug/l	SW846 8260
1,1,1-Trichloroethane	71-55-6	25	25	U		ug/l	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	25	25	U		ug/l	SW846 8260
1,1,2-Trichloroethane	79-00-5	25	25	U		ug/l	SW846 8260
1,1-Dichloroethane	75-34-3	25	25	U		ug/l	SW846 8260
1,1-Dichloroethene	75-35-4	25	25	U		ug/l	SW846 8260
1,1-Dichloropropene	563-58-6	25	25	U		ug/l	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	25	25	U		ug/l	SW846 8260
1,2,3-Trichloropropane	96-18-4	25	25	U		ug/l	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	25	25	U		ug/l	SW846 8260
1,2,4-trimethylbenzene	95-63-6	110	25			ug/l	SW846 8260
1,2-cis-Dichloroethene	156-59-2	25	25	U		ug/l	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	25	25	U		ug/l	SW846 8260
1,2-Dibromoethane	106-93-4	25	25	U		ug/l	SW846 8260
1,2-Dichlorobenzene	95-50-1	25	25	U		ug/l	SW846 8260
1,2-Dichloroethane	107-06-2	25	25	U		ug/l	SW846 8260

Location: SW141
Sample ID: 27SW141 **Depth:** NA
COE Sample ID: FH027-SW141/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloropropane	78-87-5	25	25	U		ug/l	SW846 8260
1,2-trans-Dichloroethene	156-60-5	25	25	U		ug/l	SW846 8260
1,3,5-trimethylbenzene	108-67-8	48	25			ug/l	SW846 8260
1,3-Dichlorobenzene	541-73-1	25	25	U		ug/l	SW846 8260
1,3-Dichloropropane	142-28-9	25	25	U		ug/l	SW846 8260
1,4-Dichlorobenzene	106-46-7	25	25	U		ug/l	SW846 8260
2,2-Dichloropropane	594-20-7	25	25	U		ug/l	SW846 8260
2-Butanone	78-93-3	25	25	U		ug/l	SW846 8260
2-Chlorotoluene	95-49-8	25	25	U		ug/l	SW846 8260
2-Hexanone	591-78-6	25	25	U		ug/l	SW846 8260
4-Chlorotoluene	106-43-4	25	25	U		ug/l	SW846 8260
4-Methyl-2-pentanone	108-10-1	25	25	U		ug/l	SW846 8260
Acetone	67-64-1	96	25			ug/l	SW846 8260
Benzene	71-43-2	480	25			ug/l	SW846 8260
Bromobenzene	108-86-1	25	25	U		ug/l	SW846 8260
Bromochloromethane	74-97-5	25	25	U		ug/l	SW846 8260
Bromodichloromethane	75-27-4	25	25	U		ug/l	SW846 8260
Bromoform	75-25-2	25	25	U		ug/l	SW846 8260
Bromomethane	74-83-9	25	25	U		ug/l	SW846 8260
Carbon Tetrachloride	56-23-5	25	25	U		ug/l	SW846 8260
Chlorobenzene	108-90-7	25	25	U		ug/l	SW846 8260
Chloroethane	75-00-3	25	25	U		ug/l	SW846 8260
Chloroform	67-66-3	25	25	U		ug/l	SW846 8260
Chloromethane	74-87-3	25	25	U		ug/l	SW846 8260
Dibromochloromethane	124-48-1	25	25	U		ug/l	SW846 8260
Dibromomethane	74-95-3	25	25	U		ug/l	SW846 8260
Dichlorodifluoromethane	75-71-8	25	25	U		ug/l	SW846 8260
Ethylbenzene	100-41-4	120	25			ug/l	SW846 8260
Hexachlorobutadiene	87-68-3	25	25	U		ug/l	SW846 8260
Isopropyl Benzene	98-82-8	9	25	J		ug/l	SW846 8260
m,p-Xylene	13-302-07	310	25			ug/l	SW846 8260
Methylene Chloride	75-09-2	25	25	U		ug/l	SW846 8260
n-Butylbenzene	104-51-8	25	25	U		ug/l	SW846 8260
n-propylbenzene	103-65-1	12	25	J		ug/l	SW846 8260
Naphthalene	91-20-3	60	25			ug/l	SW846 8260
o-Xylene	95-47-6	25	25	J		ug/l	SW846 8260
p-Isopropyltoluene	99-87-6	25	25	U		ug/l	SW846 8260
sec-Butylbenzene	135-98-8	25	25	U		ug/l	SW846 8260
Styrene	100-42-5	25	25	U		ug/l	SW846 8260
tert-Butylbenzene	98-06-6	25	25	U		ug/l	SW846 8260
Tetrachloroethene	127-18-4	25	25	U		ug/l	SW846 8260
Toluene	108-88-3	25	25			ug/l	SW846 8260
Trichloroethene	79-01-6	25	25	U		ug/l	SW846 8260
Trichlorofluoromethane	75-69-4	25	25	U		ug/l	SW846 8260
Vinyl Chloride	75-01-4	25	25	U		ug/l	SW846 8260

Location: SW142
Sample ID: 27SD142 **Depth:** NA
COE Sample ID: FH027-SD142/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.6	0.32			mg/kg	SW846 6010
Barium	7440-39-3	41.7	0.04			mg/kg	SW846 6010
Cadmium	7440-43-9	1.4	0.06			mg/kg	SW846 6010
Chromium	7440-47-3	10.5	0.10			mg/kg	SW846 6010
Lead	7439-92-1	14.4	0.22			mg/kg	SW846 6010

Location: SW142
Sample ID: 27SD142 **Depth:** NA
COE Sample ID: FH027-SD142/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Mercury	7439-97-6	0.02	0.02	U		mg/kg	SW846 6010
Selenium	7782-49-2	0.36	0.36	U		mg/kg	SW846 6010
Silver	7440-22-4	0.16	0.16	U		mg/kg	SW846 6010
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	430	430	U		ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	430	430	U		ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	430	430	U		ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	430	430	U		ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	430	430	U		ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	430	430	U		ug/kg	SW846 8270
2,4,5-Trichlorophenol	95-95-4	2100	2100	U		ug/kg	SW846 8270
2,4,6-Trichlorophenol	88-06-2	430	430	U		ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	430	430	U		ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	430	430	U		ug/kg	SW846 8270
2,4-Dinitrophenol	51-28-5	2100	2100	U		ug/kg	SW846 8270
2,4-Dinitrotoluene	121-14-2	430	430	U		ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	430	430	U		ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	430	430	U		ug/kg	SW846 8270
2-Chlorophenol	95-57-8	430	430	U		ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	430	430	U		ug/kg	SW846 8270
2-Methylphenol	95-48-7	430	430	U		ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2100	2100	U		ug/kg	SW846 8270
2-Nitrophenol	88-75-5	430	430	U		ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	860	860	U		ug/kg	SW846 8270
3-Nitroaniline	99-09-2	2100	2100	U		ug/kg	SW846 8270
4,6-Dinitro-o-Cresol	534-52-1	2100	2100	U		ug/kg	SW846 8270
4-Bromophenyl-phenyl Ether	101-55-3	430	430	U		ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	430	430	U		ug/kg	SW846 8270
4-Chloroaniline	106-47-8	430	430	U		ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	430	430	U		ug/kg	SW846 8270
4-Methylphenol	106-44-5	430	430	U		ug/kg	SW846 8270
4-Nitroaniline	100-01-6	2100	2100	U		ug/kg	SW846 8270
4-Nitrophenol	100-02-7	2100	2100	U		ug/kg	SW846 8270
Acenaphthene	83-32-9	430	430	U		ug/kg	SW846 8270
Acenaphthylene	208-96-8	430	430	U		ug/kg	SW846 8270
Anthracene	120-12-7	430	430	U		ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	49	430	J		ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	49	430	J		ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	64	430	J		ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	430	430	U		ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	60	430	J		ug/kg	SW846 8270
Benzoic Acid	65-85-0	2100	2100	U		ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	430	430	U		ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	430	430	U		ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	430	430	U		ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	1400	430	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	430	430	U		ug/kg	SW846 8270
Chrysene	218-01-9	73	430	J		ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	430	430	U		ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	460	430			ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	430	430	U		ug/kg	SW846 8270
Dibenzofuran	132-64-9	430	430	U		ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	430	430	U		ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	430	430	U		ug/kg	SW846 8270
Fluoranthene	206-44-0	81	430	J		ug/kg	SW846 8270
Fluorene	86-73-7	430	430	U		ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	430	430	U		ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	430	430	U		ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	430	430	U		ug/kg	SW846 8270
Hexachloroethane	67-72-1	430	430	U		ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	430	430	U		ug/kg	SW846 8270

Location: SW142
Sample ID: 27SD142 **Depth:** NA
COE Sample ID: FH027-SD142/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Isophorone	78-59-1	430	430	U		ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	430	430	U		ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	430	430	U		ug/kg	SW846 8270
Naphthalene	91-20-3	430	430	U		ug/kg	SW846 8270
Nitrobenzene	98-95-3	430	430	U		ug/kg	SW846 8270
Pentachlorophenol	87-86-5	2100	2100	U		ug/kg	SW846 8270
Phenanthrene	85-01-8	430	430	U		ug/kg	SW846 8270
Phenol	108-95-2	430	430	U		ug/kg	SW846 8270
Pyrene	129-00-0	130	430	J		ug/kg	SW846 8270
Pyridine	110-86-1	430	430	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	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
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: SW142
Sample ID: 27SD142 **Depth:** NA
COE Sample ID: FH027-SD142/11-22-96
Date Collected: 11/22/96

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: SW142
Sample ID: 27SW142 **Depth:** NA
COE Sample ID: FH027-SW142/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.3	3.3	U		ug/l	SW846 6010
Barium	7440-39-3	56.5	0.80			ug/l	SW846 6010
Cadmium	7440-43-9	4.9	0.40	B		ug/l	SW846 6010
Chromium	7440-47-3	4.8	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	5.5	1.4			ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	2.9	2.8	B		ug/l	SW846 6010
Silver	7440-22-4	1.9	1.9	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

Location: SW142
Sample ID: 27SW142 **Depth:** NA
COE Sample ID: FH027-SW142/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	4	10	J		ug/l	SW846 8270
Butyl Benzyl Phthalate	85-68-7	2	10	J		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
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	50	50	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	1	5	J	J	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

Location: SW142
Sample ID: 27SW142 **Depth:** NA
COE Sample ID: FH027-SW142/11-22-96
Date Collected: 11/22/96

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 8260
2-Butanone	78-93-3	7	5			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	14	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	2	5	J	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: SW143
Sample ID: 27SD143 **Depth:** NA
COE Sample ID: FH027-SD143/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	4.1	0.32			mg/kg	SW846 6010
Barium	7440-39-3	53.7	0.04			mg/kg	SW846 6010
Cadmium	7440-43-9	0.84	0.06			mg/kg	SW846 6010
Chromium	7440-47-3	8.5	0.10			mg/kg	SW846 6010
Lead	7439-92-1	11.8	0.22			mg/kg	SW846 6010
Mercury	7439-97-6	0.09	0.02			mg/kg	SW846 6010
Selenium	7782-49-2	0.36	0.36	U		mg/kg	SW846 6010
Silver	7440-22-4	0.15	0.15	U		mg/kg	SW846 6010

Location: SW143
Sample ID: 27SD143 **Depth:** NA
COE Sample ID: FH027-SD143/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
SEMIVOLATILE ORGANICS							
1,2,4,5-Tetrachlorobenzene	95-94-3	420	420	U	U	ug/kg	SW846 8270
1,2,4-Trichlorobenzene	120-82-1	420	420	U	U	ug/kg	SW846 8270
1,2-Dichlorobenzene	95-50-1	420	420	U	U	ug/kg	SW846 8270
1,3-Dichlorobenzene	541-73-1	420	420	U	U	ug/kg	SW846 8270
1,4-Dichlorobenzene	106-46-7	420	420	U	U	ug/kg	SW846 8270
2,2'-oxybis(1-chloropropane)	108-60-1	420	420	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	420	420	U	U	ug/kg	SW846 8270
2,4-Dichlorophenol	120-83-2	420	420	U	U	ug/kg	SW846 8270
2,4-Dimethylphenol	105-67-9	420	420	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	420	420	U	U	ug/kg	SW846 8270
2,6-Dinitrotoluene	606-20-2	420	420	U	U	ug/kg	SW846 8270
2-Chloronaphthalene	91-58-7	420	420	U	U	ug/kg	SW846 8270
2-Chlorophenol	95-57-8	420	420	U	U	ug/kg	SW846 8270
2-Methylnaphthalene	91-57-6	1300	420			ug/kg	SW846 8270
2-Methylphenol	95-48-7	420	420	U	U	ug/kg	SW846 8270
2-Nitroaniline	88-74-4	2000	2000	U	U	ug/kg	SW846 8270
2-Nitrophenol	88-75-5	420	420	U	U	ug/kg	SW846 8270
3,3'-Dichlorobenzidine	91-94-1	850	850	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	420	420	U	U	ug/kg	SW846 8270
4-chloro-3-methylphenol	59-50-7	420	420	U	U	ug/kg	SW846 8270
4-Chloroaniline	106-47-8	420	420	U	U	ug/kg	SW846 8270
4-Chlorophenyl-phenylether	7005-72-3	420	420	U	U	ug/kg	SW846 8270
4-Methylphenol	106-44-5	420	420	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	420	420	U	U	ug/kg	SW846 8270
Acenaphthylene	208-96-8	420	420	U	U	ug/kg	SW846 8270
Anthracene	120-12-7	420	420	U	U	ug/kg	SW846 8270
Benzo(a)anthracene	56-55-3	420	420	U	U	ug/kg	SW846 8270
Benzo(a)pyrene	50-32-8	420	420	U	U	ug/kg	SW846 8270
Benzo(b)fluoranthene	205-99-2	420	420	U	U	ug/kg	SW846 8270
Benzo(g,h,i)perylene	191-24-2	420	420	U	U	ug/kg	SW846 8270
Benzo(k)fluoranthene	207-08-9	420	420	U	U	ug/kg	SW846 8270
Benzoic Acid	65-85-0	2000	2000	U	U	ug/kg	SW846 8270
Benzyl Alcohol	100-51-6	420	420	U	U	ug/kg	SW846 8270
Bis(2-chloroethoxy)methane	111-91-1	420	420	U	U	ug/kg	SW846 8270
Bis(2-chloroethyl)ether	111-44-4	420	420	U	U	ug/kg	SW846 8270
Bis(2-ethylhexyl)phthalate	117-81-7	940	420	B		ug/kg	SW846 8270
Butyl Benzyl Phthalate	85-68-7	420	420	U	U	ug/kg	SW846 8270
Chrysene	218-01-9	420	420	U	U	ug/kg	SW846 8270
Di-n-butyl Phthalate	84-74-2	120	420	J	J	ug/kg	SW846 8270
Di-n-octyl Phthalate	117-84-0	420	420	U	U	ug/kg	SW846 8270
Dibenz(a,h)anthracene	53-70-3	420	420	U	U	ug/kg	SW846 8270
Dibenzofuran	132-64-9	210	420	J	J	ug/kg	SW846 8270
Diethyl Phthalate	84-66-2	420	420	U	U	ug/kg	SW846 8270
Dimethyl Phthalate	131-11-3	420	420	U	U	ug/kg	SW846 8270
Fluoranthene	206-44-0	420	420	U	U	ug/kg	SW846 8270
Fluorene	86-73-7	140	420	J	J	ug/kg	SW846 8270
Hexachlorobenzene	118-74-1	420	420	U	U	ug/kg	SW846 8270
Hexachlorobutadiene	87-68-3	420	420	U	U	ug/kg	SW846 8270
Hexachlorocyclopentadiene	77-47-4	420	420	U	U	ug/kg	SW846 8270
Hexachloroethane	67-72-1	420	420	U	U	ug/kg	SW846 8270
Indeno(1,2,3-cd)pyrene	193-39-5	420	420	U	U	ug/kg	SW846 8270
Isophorone	78-59-1	420	420	U	U	ug/kg	SW846 8270
N-Nitroso-di-n-propylamine	621-64-7	420	420	U	U	ug/kg	SW846 8270
N-Nitrosodiphenylamine	86-30-6	420	420	U	U	ug/kg	SW846 8270
Naphthalene	91-20-3	420	420	U	U	ug/kg	SW846 8270
Nitrobenzene	98-95-3	420	420	U	U	ug/kg	SW846 8270

Location: SW143
Sample ID: 27SD143 **Depth:** NA
COE Sample ID: FH027-SD143/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Pentachlorophenol	87-86-5	2000	2000	U	U	ug/kg	SW846 8270
Phenanthrene	85-01-8	420	420	U	U	ug/kg	SW846 8270
Phenol	108-95-2	420	420	U	U	ug/kg	SW846 8270
Pyrene	129-00-0	51	420	J	J	ug/kg	SW846 8270
Pyridine	110-86-1	420	420	U	U	ug/kg	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	32	32	U	U	ug/kg	SW846 8260
1,1,1-Trichloroethane	71-55-6	32	32	U	U	ug/kg	SW846 8260
1,1,2,2-Tetrachloroethane	79-34-5	32	32	U	U	ug/kg	SW846 8260
1,1,2-Trichloroethane	79-00-5	32	32	U	U	ug/kg	SW846 8260
1,1-Dichloroethane	75-34-3	32	32	U	U	ug/kg	SW846 8260
1,1-Dichloroethene	75-35-4	32	32	U	U	ug/kg	SW846 8260
1,1-Dichloropropene	563-58-6	32	32	U	U	ug/kg	SW846 8260
1,2,3-Trichlorobenzene	87-61-6	32	32	U	U	ug/kg	SW846 8260
1,2,3-Trichloropropane	96-18-4	32	32	U	U	ug/kg	SW846 8260
1,2,4-Trichlorobenzene	120-82-1	32	32	U	U	ug/kg	SW846 8260
1,2,4-trimethylbenzene	95-63-6	32	32	U	U	ug/kg	SW846 8260
1,2-cis-Dichloroethene	156-59-2	32	32	U	U	ug/kg	SW846 8260
1,2-dibromo-3-chloropropane	96-12-8	32	32	U	U	ug/kg	SW846 8260
1,2-Dibromoethane	106-93-4	32	32	U	U	ug/kg	SW846 8260
1,2-Dichlorobenzene	95-50-1	32	32	U	U	ug/kg	SW846 8260
1,2-Dichloroethane	107-06-2	32	32	U	U	ug/kg	SW846 8260
1,2-Dichloropropane	78-87-5	32	32	U	U	ug/kg	SW846 8260
1,2-trans-Dichloroethene	156-60-5	32	32	U	U	ug/kg	SW846 8260
1,3,5-trimethylbenzene	108-67-8	32	32	U	U	ug/kg	SW846 8260
1,3-Dichlorobenzene	541-73-1	32	32	U	U	ug/kg	SW846 8260
1,3-Dichloropropane	142-28-9	32	32	U	U	ug/kg	SW846 8260
1,4-Dichlorobenzene	106-46-7	32	32	U	U	ug/kg	SW846 8260
2,2-Dichloropropane	594-20-7	32	32	U	U	ug/kg	SW846 8260
2-Butanone	78-93-3	32	32	U	U	ug/kg	SW846 8260
2-Chlorotoluene	95-49-8	32	32	U	U	ug/kg	SW846 8260
2-Hexanone	591-78-6	32	32	U	U	ug/kg	SW846 8260
4-Chlorotoluene	106-43-4	32	32	U	U	ug/kg	SW846 8260
4-Methyl-2-pentanone	108-10-1	32	32	U	U	ug/kg	SW846 8260
Acetone	67-64-1	98	32	B		ug/kg	SW846 8260
Benzene	71-43-2	32	32	U	U	ug/kg	SW846 8260
Bromobenzene	108-86-1	32	32	U	U	ug/kg	SW846 8260
Bromochloromethane	74-97-5	32	32	U	U	ug/kg	SW846 8260
Bromodichloromethane	75-27-4	32	32	U	U	ug/kg	SW846 8260
Bromoform	75-25-2	32	32	U	U	ug/kg	SW846 8260
Bromomethane	74-83-9	32	32	U	U	ug/kg	SW846 8260
Carbon Tetrachloride	56-23-5	32	32	U	U	ug/kg	SW846 8260
Chlorobenzene	108-90-7	32	32	U	U	ug/kg	SW846 8260
Chloroethane	75-00-3	32	32	U	U	ug/kg	SW846 8260
Chloroform	67-66-3	32	32	U	U	ug/kg	SW846 8260
Chloromethane	74-87-3	32	32	U	U	ug/kg	SW846 8260
Dibromochloromethane	124-48-1	32	32	U	U	ug/kg	SW846 8260
Dibromomethane	74-95-3	32	32	U	U	ug/kg	SW846 8260
Dichlorodifluoromethane	75-71-8	32	32	U	U	ug/kg	SW846 8260
Ethylbenzene	100-41-4	32	32	U	U	ug/kg	SW846 8260
Hexachlorobutadiene	87-68-3	32	32	U	U	ug/kg	SW846 8260
Isopropyl Benzene	98-82-8	32	32	U	U	ug/kg	SW846 8260
m,p-Xylene	13-302-07	32	32	U	U	ug/kg	SW846 8260
Methylene Chloride	75-09-2	32	32	U	U	ug/kg	SW846 8260
n-Butylbenzene	104-51-8	32	32	U	U	ug/kg	SW846 8260
n-propylbenzene	103-65-1	32	32	U	U	ug/kg	SW846 8260
Naphthalene	91-20-3	32	32	U	U	ug/kg	SW846 8260
o-Xylene	95-47-6	32	32	U	U	ug/kg	SW846 8260
p-Isopropyltoluene	99-87-6	32	32	U	U	ug/kg	SW846 8260
sec-Butylbenzene	135-98-8	32	32	U	U	ug/kg	SW846 8260
Styrene	100-42-5	32	32	U	U	ug/kg	SW846 8260

Location: SW143
Sample ID: 27SD143 **Depth:** NA
COE Sample ID: FH027-SD143/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
tert-Butylbenzene	98-06-6	32	32	U	U	ug/kg	SW846 8260
Tetrachloroethene	127-18-4	32	32	U	U	ug/kg	SW846 8260
Toluene	108-88-3	32	32	U	U	ug/kg	SW846 8260
Trichloroethene	79-01-6	32	32	U	U	ug/kg	SW846 8260
Trichlorofluoromethane	75-69-4	32	32	U	U	ug/kg	SW846 8260
Vinyl Chloride	75-01-4	32	32	U	U	ug/kg	SW846 8260

Location: SW143
Sample ID: 27SW143 **Depth:** NA
COE Sample ID: FH027-SW143/11-22-96
Date Collected: 11/22/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
INORGANICS							
Arsenic	7440-38-2	3.3	3.3	U		ug/l	SW846 6010
Barium	7440-39-3	74.7	0.80			ug/l	SW846 6010
Cadmium	7440-43-9	1	0.40	B		ug/l	SW846 6010
Chromium	7440-47-3	0.86	0.80	B		ug/l	SW846 6010
Lead	7439-92-1	1.4	1.4	U		ug/l	SW846 6010
Mercury	7439-97-6	0.1	0.10	U		ug/l	SW846 6010
Selenium	7782-49-2	2.8	2.8	U		ug/l	SW846 6010
Silver	7440-22-4	1.9	1.9	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	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	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

Location: SW143
Sample ID: 27SW143 **Depth:** NA
COE Sample ID: FH027-SW143/11-22-96
Date Collected: 11/22/96

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	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	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	10	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	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

Location: SW143
Sample ID: 27SW143 **Depth:** NA
COE Sample ID: FH027-SW143/11-22-96
Date Collected: 11/22/96

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	24	5		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	4	5	J	J	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	2	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	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: ER015 **Depth:** NA
COE Sample ID: FH027-ER015/11-20-96
Date Collected: 11/19/96

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	22.5	0.80			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	2.8	2.8	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	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

Location: NA
Sample ID: ER015 **Depth:** NA
COE Sample ID: FH027-ER015/11-20-96
Date Collected: 11/19/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
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	3	50	J		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	1	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	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
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	50	50	U		ug/l	SW846 8270

Location: NA
Sample ID: ER015 **Depth:** NA
COE Sample ID: FH027-ER015/11-20-96
Date Collected: 11/19/96

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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	11	5			ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	J		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB009 **Depth:** NA
COE Sample ID: FH027-TB009/11-20-96
Date Collected: 11/20/96

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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	1	5	J		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB013 **Depth:** NA
COE Sample ID: FH027-TB013/11-22-96
Date Collected: 11/22/96

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		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	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	1	5	J		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: ER023 **Depth:** NA
COE Sample ID: FH027-ER023/12-14-96
Date Collected: 12/14/96

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	0.8	0.80	U		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	2.8	2.8	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	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	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	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

Location: NA
Sample ID: ER023 **Depth:** NA
COE Sample ID: FH027-ER023/12-14-96
Date Collected: 12/14/96

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	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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	1	5	J		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	14	5			ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: ER023 **Depth:** NA
COE Sample ID: FH027-ER023/12-14-96
Date Collected: 12/14/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	3	5	J		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: ER024 **Depth:** NA
COE Sample ID: FH027-ER024/12-16-96
Date Collected: 12/16/96

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	0.8	0.80	U		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	2.8	2.8	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	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

Location: NA
Sample ID: ER024 **Depth:** NA
COE Sample ID: FH027-ER024/12-16-96
Date Collected: 12/16/96

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	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	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	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
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	50	50	U		ug/l	SW846 8270
VOLATILE ORGANICS							
1,1,1,2-Tetrachloroethane	630-20-6	5	5	U		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	2	5	J		ug/l	SW846 8240

Location: NA
Sample ID: ER024 **Depth:** NA
COE Sample ID: FH027-ER024/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	6	5			ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	1	5	J		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB017 **Depth:** NA
COE Sample ID: FH027-TB017/12-16-96
Date Collected: 12/16/96

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		ug/l	SW846 8240
1,1,1-Trichloroethane	71-55-6	5	5	U		ug/l	SW846 8240
1,1,2,2-Tetrachloroethane	79-34-5	5	5	U		ug/l	SW846 8240
1,1,2-Trichloroethane	79-00-5	5	5	U		ug/l	SW846 8240
1,1-Dichloroethane	75-34-3	5	5	U		ug/l	SW846 8240

Location: NA
Sample ID: TB017 **Depth:** NA
COE Sample ID: FH027-TB017/12-16-96
Date Collected: 12/16/96

Parameter	CAS Number	Result	Detection Limit	Lab Qual	Data Qual	Units	Method
1,1-Dichloroethene	75-35-4	5	5	U		ug/l	SW846 8240
1,1-Dichloropropene	563-58-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichlorobenzene	87-61-6	5	5	U		ug/l	SW846 8240
1,2,3-Trichloropropane	96-18-4	5	5	U		ug/l	SW846 8240
1,2,4-Trichlorobenzene	120-82-1	5	5	U		ug/l	SW846 8240
1,2,4-trimethylbenzene	95-63-6	5	5	U		ug/l	SW846 8240
1,2-cis-Dichloroethene	156-59-2	5	5	U		ug/l	SW846 8240
1,2-dibromo-3-chloropropane	96-12-8	5	5	U		ug/l	SW846 8240
1,2-Dibromoethane	106-93-4	5	5	U		ug/l	SW846 8240
1,2-Dichlorobenzene	95-50-1	5	5	U		ug/l	SW846 8240
1,2-Dichloroethane	107-06-2	5	5	U		ug/l	SW846 8240
1,2-Dichloropropane	78-87-5	5	5	U		ug/l	SW846 8240
1,2-trans-Dichloroethene	156-60-5	5	5	U		ug/l	SW846 8240
1,3,5-trimethylbenzene	108-67-8	5	5	U		ug/l	SW846 8240
1,3-Dichlorobenzene	541-73-1	5	5	U		ug/l	SW846 8240
1,3-Dichloropropane	142-28-9	5	5	U		ug/l	SW846 8240
1,4-Dichlorobenzene	106-46-7	5	5	U		ug/l	SW846 8240
2,2-Dichloropropane	594-20-7	5	5	U		ug/l	SW846 8240
2-Butanone	78-93-3	5	5	U		ug/l	SW846 8240
2-Chlorotoluene	95-49-8	5	5	U		ug/l	SW846 8240
2-Hexanone	591-78-6	5	5	U		ug/l	SW846 8240
4-Chlorotoluene	106-43-4	5	5	U		ug/l	SW846 8240
4-Methyl-2-pentanone	108-10-1	5	5	U		ug/l	SW846 8240
Acetone	67-64-1	5	5	U		ug/l	SW846 8240
Benzene	71-43-2	5	5	U		ug/l	SW846 8240
Bromobenzene	108-86-1	5	5	U		ug/l	SW846 8240
Bromochloromethane	74-97-5	5	5	U		ug/l	SW846 8240
Bromodichloromethane	75-27-4	5	5	U		ug/l	SW846 8240
Bromoform	75-25-2	5	5	U		ug/l	SW846 8240
Bromomethane	74-83-9	5	5	U		ug/l	SW846 8240
Carbon Tetrachloride	56-23-5	5	5	U		ug/l	SW846 8240
Chlorobenzene	108-90-7	5	5	U		ug/l	SW846 8240
Chloroethane	75-00-3	5	5	U		ug/l	SW846 8240
Chloroform	67-66-3	5	5	U		ug/l	SW846 8240
Chloromethane	74-87-3	5	5	U		ug/l	SW846 8240
Dibromochloromethane	124-48-1	5	5	U		ug/l	SW846 8240
Dibromomethane	74-95-3	5	5	U		ug/l	SW846 8240
Dichlorodifluoromethane	75-71-8	5	5	U		ug/l	SW846 8240
Ethylbenzene	100-41-4	5	5	U		ug/l	SW846 8240
Hexachlorobutadiene	87-68-3	5	5	U		ug/l	SW846 8240
Isopropyl Benzene	98-82-8	5	5	U		ug/l	SW846 8240
m,p-Xylene	13-302-07	5	5	U		ug/l	SW846 8240
Methylene Chloride	75-09-2	5	5	U		ug/l	SW846 8240
n-Butylbenzene	104-51-8	5	5	U		ug/l	SW846 8240
n-propylbenzene	103-65-1	5	5	U		ug/l	SW846 8240
Naphthalene	91-20-3	5	5	U		ug/l	SW846 8240
o-Xylene	95-47-6	5	5	U		ug/l	SW846 8240
p-Isopropyltoluene	99-87-6	5	5	U		ug/l	SW846 8240
sec-Butylbenzene	135-98-8	5	5	U		ug/l	SW846 8240
Styrene	100-42-5	5	5	U		ug/l	SW846 8240
tert-Butylbenzene	98-06-6	5	5	U		ug/l	SW846 8240
Tetrachloroethene	127-18-4	5	5	U		ug/l	SW846 8240
Toluene	108-88-3	5	5	U		ug/l	SW846 8240
Trichloroethene	79-01-6	5	5	U		ug/l	SW846 8240
Trichlorofluoromethane	75-69-4	5	5	U		ug/l	SW846 8240
Vinyl Chloride	75-01-4	5	5	U		ug/l	SW846 8240

APPENDIX B

Fort Hood RFI Background Soils Data

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB101 Background Soil Boring SB101

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

Matrix: Soil Field Sample Type: Grab Collected: 12/10/96

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

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

Matrix: Soil Field Sample Type: Grab Collected: 12/10/96

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

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

Matrix: Soil Field Sample Type: Grab Collected: 12/10/96

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

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB102 Background Soil Boring SB102

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

Matrix: Soil Field Sample Type: Grab Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers Lab	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 Boring SB103

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

Matrix: Soil Field Sample Type: Grab Collected: 12/10/96

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

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Station: SB106 Background Soil Boring SB106

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

Matrix: Soil Field Sample Type: Grab Collected: 12/12/96

Metals	Result	Detection Limit	Units	Qualifiers Lab	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 Boring SB110

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

Matrix: Soil Field Sample Type: Grab Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers Lab	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

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

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

Metals	Result	Detection Limit	Units	Qualifiers Lab	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

Ft. Hood RCRA Facility Investigation

FH-BKG Fort Hood Background

Analytical Results

Sample ID: FH000-SB20412-13-96/4.0-6.0 (BKSB204) Sample Depth: 4.0-6.0 FT

Matrix: Soil Field Sample Type: Field Duplicate Collected: 12/13/96

Metals	Result	Detection Limit	Units	Qualifiers Lab	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 C

Fort Hood RFI Background Soil Boring Logs

RCRA
Facilities
Investigation
Fort Hood, Texas

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

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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RCRA
Facilities
Investigation
Fort Hood, Texas

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

Boring FHBKG-SB102

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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.	Sample BKSB109 collected 4.0-5.0' bgs.
5	891	CL				
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					
1	-1	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.
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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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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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 D

Statistical Calculations

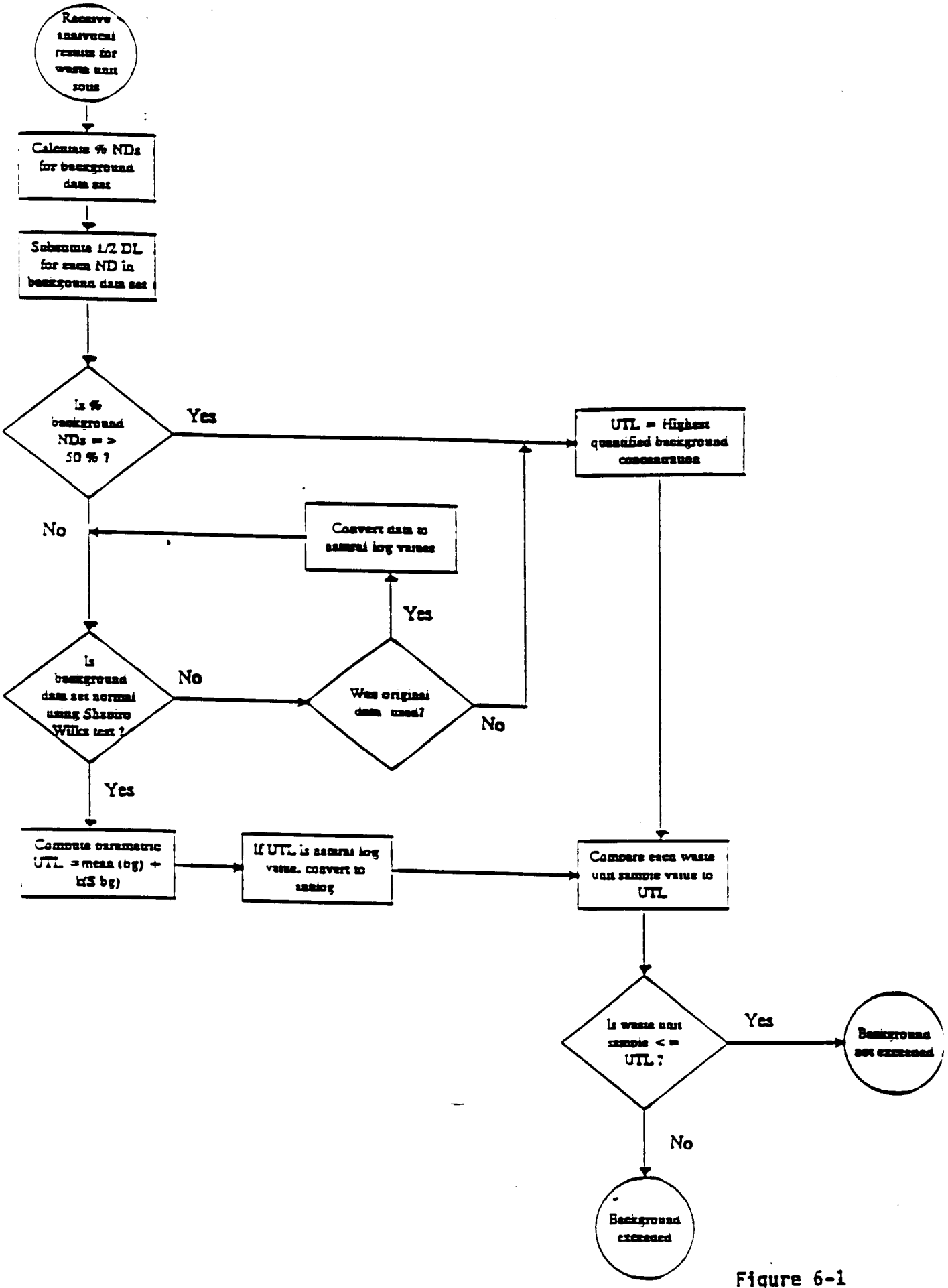
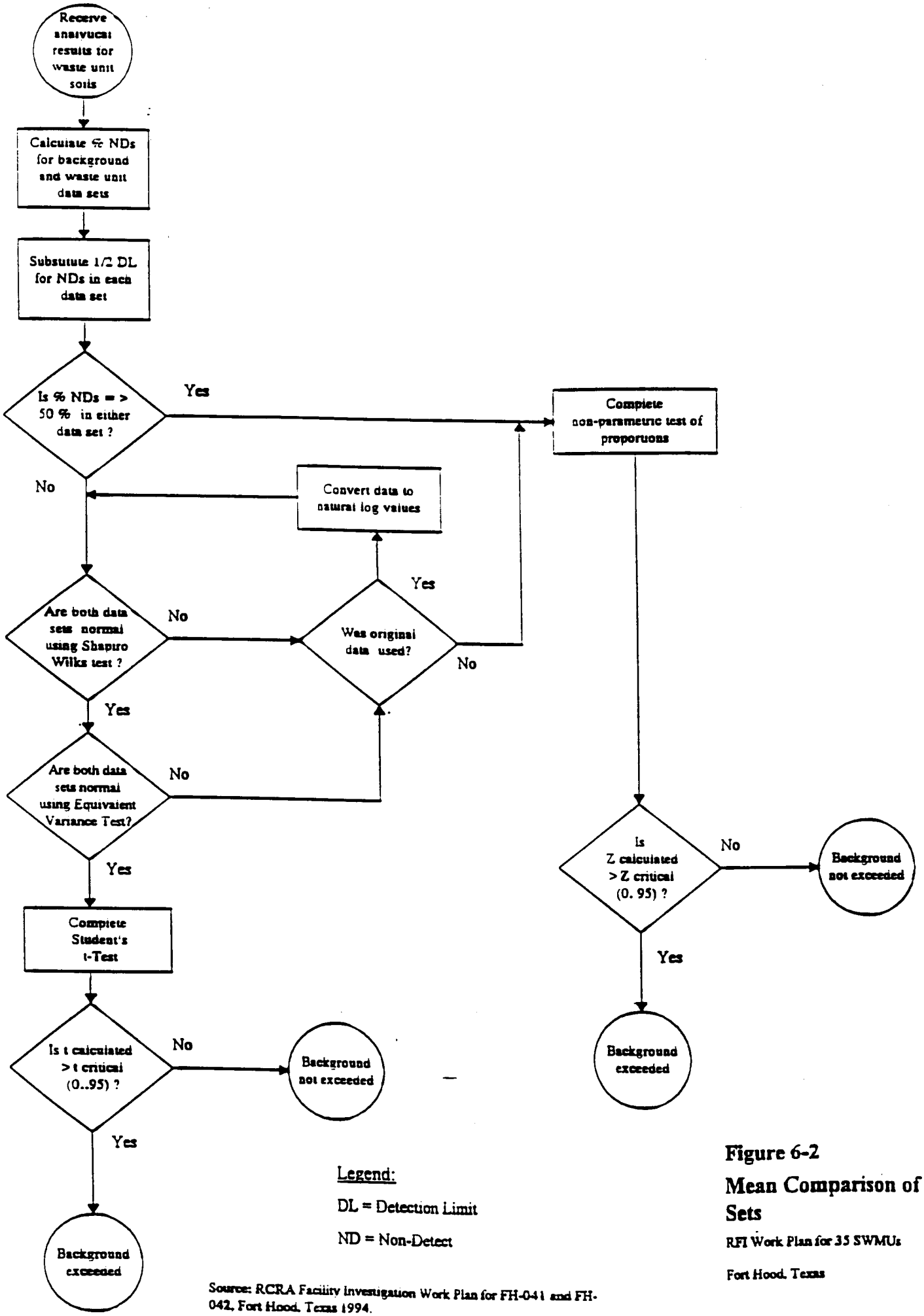


Figure 6-1
95% Upper Tolerance Lir
RFI Work Plan for 35 SW
Fort Hood, Texas



Legend:

DL = Detection Limit

ND = Non-Detect

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

Figure 6-2

Mean Comparison of Sets

RFI Work Plan for 35 SWMUs

Fort Hood, Texas

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 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	0.06	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 x(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_i=(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						

Shapiro Wilk Chromium

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						

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						

APPENDIX E

FH-027 Screening Results

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SB101	27SB101	0.0-0.5	Arsenic	5.2	0.36	mg/kg	Soil Background	9.2	mg/kg
			Barium	24.4	0.07	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.16	0.058	mg/kg	Soil Background	0.67	mg/kg
			Chromium	5	0.081	mg/kg	Soil Background	24.9	mg/kg
			Lead	3.8	0.21	mg/kg	Soil Background	19	mg/kg
			Acetone	0.14	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Methylene Chloride	0.019	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	0.5	mg/kg
SW101	27SD101	--	Arsenic	5	0.54	mg/kg	Soil Background	9.2	mg/kg
			Barium	56.9	0.13	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	4.1	0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	12.5	0.13	mg/kg	Soil Background	24.9	mg/kg
			Lead	20	0.23	mg/kg	Soil Background	19	mg/kg
	27SW101	--	Barium	0.0526	0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0017 B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0014 B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0036	0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Mercury	0.0002 B	0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
SW102	27SD102	--	Arsenic	6.2	0.43	mg/kg	Soil Background	9.2	mg/kg
			Barium	18.5	0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.16	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	9.8	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	6.6	0.18	mg/kg	Soil Background	19	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW102	27SW102	--	Barium	0.0438		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0037	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Mercury	0.0001	B	0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
SW103	27SD103	--	Arsenic	4.3		0.44	mg/kg	Soil Background	9.2	mg/kg
			Barium	24.7		0.11	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.19		0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	7.3		0.11	mg/kg	Soil Background	24.9	mg/kg
			Lead	7.4		0.19	mg/kg	Soil Background	19	mg/kg
	27SW103	--	Barium	0.0325		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0037	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
SW104	27SD104	--	Arsenic	6.5	*	0.43	mg/kg	Sediment Benchmarks	6	mg/kg
			Barium	64.8		0.05	mg/kg	Sediment Benchmarks	0.0	mg/kg
			Cadmium	3.2		0.09	mg/kg	Sediment Benchmarks	0.6	mg/kg
			Chromium	19.2		0.14	mg/kg	Sediment Benchmarks	26	mg/kg
			Lead	63.8		0.29	mg/kg	Sediment Benchmarks	30.2	mg/kg
	27SW104	--	Barium	0.0388		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
SW105	27SD105	--	Arsenic	4.7	*	0.41	mg/kg	Sediment Benchmarks	6	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW105	27SD105	--	Barium	71.6		0.05	mg/kg	Sediment Benchmarks	0.0	mg/kg
			Cadmium	1.2		0.08	mg/kg	Sediment Benchmarks	0.6	mg/kg
			Chromium	14.2		0.13	mg/kg	Sediment Benchmarks	26	mg/kg
			Lead	36.2		0.28	mg/kg	Sediment Benchmarks	30.2	mg/kg
			2-Butanone	0.014		0.008	mg/kg	Sediment Benchmarks	0.0	mg/kg
	27SW105	--	Barium	0.0342		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0008	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
SW106	27SD106	--	Arsenic	5.4		0.49	mg/kg	Sediment Benchmarks	6	mg/kg
			Barium	81.8		0.12	mg/kg	Sediment Benchmarks	0.0	mg/kg
			Cadmium	0.33	B	0.06	mg/kg	Sediment Benchmarks	0.6	mg/kg
			Chromium	12.8		0.12	mg/kg	Sediment Benchmarks	26	mg/kg
			Lead	12.1		0.21	mg/kg	Sediment Benchmarks	30.2	mg/kg
			2-Butanone	0.009		0.007	mg/kg	Sediment Benchmarks	0.0	mg/kg
			Acetone	0.042		0.007	mg/kg	Sediment Benchmarks	0.0	mg/kg
	27SW106	--	Barium	0.0399		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
SW107	27SD107	--	Arsenic	5.3		0.46	mg/kg	Soil Background	9.2	mg/kg
			Barium	57.8		0.11	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.73		0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	11.7		0.11	mg/kg	Soil Background	24.9	mg/kg
			Lead	11.1		0.2	mg/kg	Soil Background	19	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW107	27SW107	--	Barium	0.0382		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0602		0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Benzoic Acid	0.096		0.05	mg/l	30 TAC 335 Groundwater	150	mg/l
SW108	27SD108	--	Arsenic	4		0.42	mg/kg	Soil Background	9.2	mg/kg
			Barium	54.8		0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.09	B	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	10.1		0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	6.8		0.18	mg/kg	Soil Background	19	mg/kg
	27SW108	--	Barium	0.0303		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0055	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0024	B	0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
SW109	27SW109	--	4-Methylphenol	0.034		0.01	mg/l	30 TAC 335 Groundwater	1.83	mg/l
SW110	27SW110	--	Barium	0.131		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0348		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Lead	0.0042		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			4-Methylphenol	0.011		0.01	mg/l	30 TAC 335 Groundwater	1.83	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW110	27SW110	--	1,1,1-Trichloroethane	0.034		0.005	mg/l	30 TAC 335 Groundwater	0.2	mg/l
			Naphthalene	0.007		0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
SW111	27SW111	--	Arsenic	0.004	B	0.0025	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.325		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0138		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0068	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0096		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
SW112	27SW112	--	Barium	0.0699		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0045		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0038		0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0042	J	0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			4-Methyl-2-pentanone	0.006		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW113	27SD113	--	Arsenic	3.9		0.39	mg/kg	Soil Background	9.2	mg/kg
			Barium	51.7		0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.55	J	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	8.5	J	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	10	J	0.17	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	0.66		0.39	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Acetone	0.061		0.006	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW113	27SW113	--	Barium	0.0728		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0007	B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0329		0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Mercury	0.0004		0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
SW114	27SD114	--	Arsenic	6.2		0.46	mg/kg	Soil Background	9.2	mg/kg
			Barium	118		0.11	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.23	J	0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	10.4	J	0.11	mg/kg	Soil Background	24.9	mg/kg
			Lead	6.3	J	0.19	mg/kg	Soil Background	19	mg/kg
			Selenium	1.8		0.41	mg/kg	Soil Background	0.44	mg/kg
			Acetone	0.073		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
	27SW114	--	Barium	0.0864		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0011	B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0307		0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
SW115	27SW115	--	Barium	0.173		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0182		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Lead	0.0052		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
SW116	27SW116	--	Barium	0.0786		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.005		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW116	27SW116	--	Lead	0.0036		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Acetone	0.015		0.005	mg/l	30 TAC 335 Groundwater	3.65	mg/l
SW117	27SW117	--	Arsenic	0.0029	B	0.0025	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.0261		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0091	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Mercury	0.0003		0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
SW118	27SW118	--	Barium	0.101		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0301		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Lead	0.0128		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Bis(2-ethylhexyl)phthalate	0.012		0.01	mg/l	30 TAC 335 Groundwater	0.00608	mg/l
			1,2,4-trimethylbenzene	0.007		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW119	27SW119	--	Barium	0.124		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0069		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Lead	0.0121		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			1,2,4-trimethylbenzene	0.016		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Acetone	0.16		0.005	mg/l	30 TAC 335 Groundwater	3.65	mg/l
			Ethylbenzene	0.006		0.005	mg/l	30 TAC 335 Groundwater	0.7	mg/l
			m,p-Xylene	0.029		0.005	mg/l	30 TAC 335 Groundwater	10	mg/l
			o-Xylene	0.01		0.005	mg/l	30 TAC 335 Groundwater	10.0	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SW123	27SW123	--	Barium	0.0187	0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0016 B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0015 B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			2-Methylnaphthalene	0.018	0.01	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			1,2,4-trimethylbenzene	0.022	0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Naphthalene	0.027	0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
SW124	27SW124	--	Barium	0.0281	0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
SW126	27SD126	--	Arsenic	2.9	0.42	mg/kg	Soil Background	9.2	mg/kg
			Barium	33.1	0.1	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.55 J	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	5.6 J	0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	13.5 J	0.18	mg/kg	Soil Background	19	mg/kg
			2-Butanone	0.008	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	511	mg/kg
			Acetone	0.086	0.006	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
	27SW126	--	Barium	0.0948	0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Chromium	0.0149	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Mercury	0.0006	0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW127	27SD127	--	Arsenic	3.9		0.44	mg/kg	Soil Background	9.2	mg/kg
			Barium	45.3		0.11	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	1.7	J	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	9.4	J	0.11	mg/kg	Soil Background	24.9	mg/kg
			Lead	33.5	J	0.19	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	0.72		0.44	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Acetone	0.074		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Toluene	0.077		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg
	27SW127	--	Barium	0.0453		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.001	B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Mercury	0.0006		0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
			Bis(2-ethylhexyl)phthalate	0.042		0.01	mg/l	30 TAC 335 Groundwater	0.00608	mg/l
SW128	27SD128	--	Arsenic	3.2		0.44	mg/kg	Soil Background	9.2	mg/kg
			Barium	28.4		0.11	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.7	J	0.05	mg/kg	Soil Background	0.67	mg/kg
			Chromium	6.7	J	0.11	mg/kg	Soil Background	24.9	mg/kg
			Lead	8.5	J	0.19	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	0.66		0.44	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
	27SW128	--	Barium	0.0528		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0021	B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW128	27SW128	--	Mercury	0.0015		0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
SW129	27SD129	--	Arsenic	4		0.4	mg/kg	Soil Background	9.2	mg/kg
			Barium	248		0.05	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	17.6		0.08	mg/kg	Soil Background	0.67	mg/kg
			Chromium	13.3		0.13	mg/kg	Soil Background	24.9	mg/kg
			Lead	33.9		0.27	mg/kg	Soil Background	19	mg/kg
			Selenium	0.52	B	0.45	mg/kg	Soil Background	0.44	mg/kg
			2-Methylnaphthalene	6.2		0.53	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Bis(2-ethylhexyl)phthalate	2		0.53	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Dibenzofuran	0.54		0.53	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Naphthalene	3.1		0.53	mg/kg	30 TAC 335 Industrial Soil GWP	409	mg/kg
			1,2,4-trimethylbenzene	41	J	1	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Acetone	1.7		1	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Ethylbenzene	1.7		1	mg/kg	30 TAC 335 Industrial Soil GWP	70	mg/kg
			m,p-Xylene	9.6		1	mg/kg	30 TAC 335 Industrial Soil GWP	1000	mg/kg
			n-Butylbenzene	10		1	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			n-propylbenzene	4.7		1	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			o-Xylene	8.5		1	mg/kg	30 TAC 335 Industrial Soil GWP	1000	mg/kg
	27SW129	--	Barium	0.0686		0.0008	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0119		0.0004	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0027	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0023	B	0.0014	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Selenium	0.0041	B	0.0028	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Bis(2-ethylhexyl)phthalate	0.018		0.01	mg/l	30 TAC 335 Groundwater	0.00608	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW129	27SW129	--	1,2,4-trimethylbenzene	0.013		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			m,p-Xylene	0.008		0.005	mg/l	30 TAC 335 Groundwater	10	mg/l
			Naphthalene	0.009		0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
SW130	27SD130	--	Arsenic	3.3		0.39	mg/kg	Soil Background	9.2	mg/kg
			Barium	119		0.05	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	5.9		0.08	mg/kg	Soil Background	0.67	mg/kg
			Chromium	16.8		0.13	mg/kg	Soil Background	24.9	mg/kg
			Lead	24.7		0.27	mg/kg	Soil Background	19	mg/kg
			Silver	0.22	B	0.19	mg/kg	30 TAC 335 Industrial Soil GWP	51.1	mg/kg
			Bis(2-ethylhexyl)phthalate	3.9		0.52	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Di-n-octyl Phthalate	0.97		0.52	mg/kg	30 TAC 335 Industrial Soil GWP	204	mg/kg
			1,2,4-trimethylbenzene	0.088		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			1,3,5-trimethylbenzene	0.078		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			2-Butanone	0.091		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	511	mg/kg
			Acetone	0.39	J	0.008	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Ethylbenzene	0.013		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	70	mg/kg
			Isopropyl Benzene	0.011		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			m,p-Xylene	0.033		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	1000	mg/kg
			n-propylbenzene	0.019		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Naphthalene	0.06		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	409	mg/kg
			o-Xylene	0.039		0.008	mg/kg	30 TAC 335 Industrial Soil GWP	1000	mg/kg
SW131	27SD131	--	Arsenic	4.7		0.48	mg/kg	Soil Background	9.2	mg/kg
			Barium	59.3		0.12	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	1.7	J	0.06	mg/kg	Soil Background	0.67	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW131	27SD131	--	Chromium	9.8	J	0.12	mg/kg	Soil Background	24.9	mg/kg
			Lead	13.2	J	0.2	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	0.7		0.48	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Acetone	0.097		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
	27SW131	--	Barium	0.0529		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0016	B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Mercury	0.0002	B	0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
			1,2,4-trimethylbenzene	0.044		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Ethylbenzene	0.01		0.005	mg/l	30 TAC 335 Groundwater	0.7	mg/l
			m,p-Xylene	0.016		0.005	mg/l	30 TAC 335 Groundwater	10	mg/l
			Naphthalene	0.021		0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
			o-Xylene	0.008		0.005	mg/l	30 TAC 335 Groundwater	10.0	mg/l
SW132	27SD132	--	Arsenic	4.2		0.5	mg/kg	Soil Background	9.2	mg/kg
			Barium	54.6		0.12	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	7.5	J	0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	25.4	J	0.12	mg/kg	Soil Background	24.9	mg/kg
			Lead	31.2	J	0.21	mg/kg	Soil Background	19	mg/kg
			Selenium	0.5		0.46	mg/kg	Soil Background	0.44	mg/kg
			Bis(2-ethylhexyl)phthalate	0.95		0.5	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
	27SW132	--	Barium	0.0458		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0006	B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0009	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW132	27SW132	--	Lead	0.0028	B	0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Mercury	0.0003		0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l
			p-Isopropyltoluene	0.036		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW134	27SW134	--	Barium	0.122		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0067		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0374		0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0086		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Di-n-octyl Phthalate	0.018		0.01	mg/l	30 TAC 335 Groundwater	0.73	mg/l
			1,2,4-trimethylbenzene	0.014		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW135	27SW135	--	Arsenic	0.0112		0.0025	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.187		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0129		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0296		0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0225	J	0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			2-Methylnaphthalene	0.046		0.01	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Naphthalene	0.037		0.01	mg/l	30 TAC 335 Groundwater	1.46	mg/l
			1,2,4-trimethylbenzene	0.2		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			1,3,5-trimethylbenzene	0.1		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Ethylbenzene	0.012		0.005	mg/l	30 TAC 335 Groundwater	0.7	mg/l
			Isopropyl Benzene	0.008		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			m,p-Xylene	0.065		0.005	mg/l	30 TAC 335 Groundwater	10	mg/l
			n-Butylbenzene	0.006		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW135	27SW135	--	n-propylbenzene	0.018		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Naphthalene	0.052		0.005	mg/l	30 TAC 335 Groundwater	1.46	mg/l
			o-Xylene	0.032		0.005	mg/l	30 TAC 335 Groundwater	10.0	mg/l
			p-Isopropyltoluene	0.019		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			sec-Butylbenzene	0.006		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Toluene	0.008		0.005	mg/l	30 TAC 335 Groundwater	1.0	mg/l
SW136	27SW136	--	Arsenic	0.0055	B	0.0025	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.104		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0119		0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0128		0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0201		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			4-Methyl-2-pentanone	0.006		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW137	27SD137	--	Arsenic	3.7		0.53	mg/kg	Soil Background	9.2	mg/kg
			Barium	49.6		0.13	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	14.8		0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	16.2		0.13	mg/kg	Soil Background	24.9	mg/kg
			Lead	76.3		0.22	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	1.2		0.53	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
	27SW137	--	Barium	0.047		0.0003	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0018	B	0.0005	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0028	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0036		0.0017	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Mercury	0.0002	B	0.0001	mg/l	30 TAC 335 Groundwater	0.002	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW137	27SW137	--	Acetone	0.016		0.005	mg/l	30 TAC 335 Groundwater	3.65	mg/l
SW138	27SD138	--	Arsenic	4		0.34	mg/kg	Soil Background	9.2	mg/kg
			Barium	50.3		0.04	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	1.3		0.07	mg/kg	Soil Background	0.67	mg/kg
			Chromium	9.1		0.11	mg/kg	Soil Background	24.9	mg/kg
			Lead	18.3		0.23	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	0.89		0.44	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Di-n-octyl Phthalate	1		0.44	mg/kg	30 TAC 335 Industrial Soil GWP	204	mg/kg
			2-Butanone	0.012		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	511	mg/kg
			Acetone	0.055		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
	27SW138	--	Barium	0.116		0.0008	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0068		0.0004	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0016	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0027	B	0.0014	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Selenium	0.0032	B	0.0028	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			2-Butanone	0.015		0.005	mg/l	30 TAC 335 Groundwater	1.83	mg/l
			4-Methyl-2-pentanone	0.009		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l
SW139	27SD139	--	Arsenic	4.5		0.36	mg/kg	Soil Background	9.2	mg/kg
			Barium	56.6		0.04	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	7.9		0.07	mg/kg	Soil Background	0.67	mg/kg
			Chromium	12.2		0.11	mg/kg	Soil Background	24.9	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW139	27SD139	--	Lead	37.8		0.24	mg/kg	Soil Background	19	mg/kg
			Selenium	0.48	B	0.4	mg/kg	Soil Background	0.44	mg/kg
			4-Methylphenol	2.4		0.47	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Bis(2-ethylhexyl)phthalate	4.1		0.47	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Di-n-octyl Phthalate	5.1		0.47	mg/kg	30 TAC 335 Industrial Soil GWP	204	mg/kg
			2-Butanone	0.086		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	511	mg/kg
			4-Methyl-2-pentanone	0.011		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Acetone	0.11		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
			Toluene	0.014		0.007	mg/kg	30 TAC 335 Industrial Soil GWP	100	mg/kg
	27SW139	--	Arsenic	0.0059	B	0.0033	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.176		0.0008	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0057		0.0004	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0214		0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0162		0.0014	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Selenium	0.0038	B	0.0028	mg/l	30 TAC 335 Groundwater	0.05	mg/l
SW140	27SD140	--	Arsenic	5.1		0.36	mg/kg	Soil Background	9.2	mg/kg
			Barium	57.5		0.04	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.78		0.07	mg/kg	Soil Background	0.67	mg/kg
			Chromium	12.7		0.12	mg/kg	Soil Background	24.9	mg/kg
			Lead	13.3		0.24	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	0.7		0.47	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Fluoranthene	0.81		0.47	mg/kg	30 TAC 335 Industrial Soil GWP	409	mg/kg
			Phenanthrene	0.54		0.47	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Pyrene	0.73		0.47	mg/kg	30 TAC 335 Industrial Soil GWP	310	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result	PQL	Units	Screening Criteria	Screening Value	Units
SW140	27SD140	--	2-Butanone	0.017	0.007	mg/kg	30 TAC 335 Industrial Soil GWP	511	mg/kg
			Acetone	0.043	0.007	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
	27SW140	--	Barium	0.11	0.0008	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0013 B	0.0004	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0008 B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Selenium	0.0034 B	0.0028	mg/l	30 TAC 335 Groundwater	0.05	mg/l
SW141	27SD141	--	Arsenic	4.5	0.34	mg/kg	Soil Background	9.2	mg/kg
			Barium	64.4	0.04	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	1.6	0.07	mg/kg	Soil Background	0.67	mg/kg
			Chromium	32.9	0.11	mg/kg	Soil Background	24.9	mg/kg
			Lead	169	0.23	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	0.58	0.45	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
	27SW141	--	Arsenic	0.0213	0.0033	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			Barium	0.134	0.0008	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Lead	0.0034	0.0014	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Naphthalene	0.036	0.01	mg/l	30 TAC 335 Groundwater	1.46	mg/l
			Phenol	0.043	0.01	mg/l	30 TAC 335 Groundwater	21.9	mg/l
			1,2,4-trimethylbenzene	0.11	0.025	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			1,3,5-trimethylbenzene	0.048	0.025	mg/l	30 TAC 335 Groundwater	0.0	mg/l
			Acetone	0.096	0.025	mg/l	30 TAC 335 Groundwater	3.65	mg/l
			Benzene	0.48	0.025	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Ethylbenzene	0.12	0.025	mg/l	30 TAC 335 Groundwater	0.7	mg/l

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW141	27SW141	--	m,p-Xylene	0.31		0.025	mg/l	30 TAC 335 Groundwater	10	mg/l
			Naphthalene	0.06		0.025	mg/l	30 TAC 335 Groundwater	1.46	mg/l
SW142	27SD142	--	Arsenic	3.6		0.32	mg/kg	Soil Background	9.2	mg/kg
			Barium	41.7		0.04	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	1.4		0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	10.5		0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	14.4		0.22	mg/kg	Soil Background	19	mg/kg
			Bis(2-ethylhexyl)phthalate	1.4	B	0.43	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Di-n-octyl Phthalate	0.46		0.43	mg/kg	30 TAC 335 Industrial Soil GWP	204	mg/kg
	27SW142	--	Barium	0.0565		0.0008	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.0049	B	0.0004	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0048	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			Lead	0.0055		0.0014	mg/l	30 TAC 335 Groundwater	0.015	mg/l
			Selenium	0.0029	B	0.0028	mg/l	30 TAC 335 Groundwater	0.05	mg/l
			2-Butanone	0.007		0.005	mg/l	30 TAC 335 Groundwater	1.83	mg/l
			Acetone	0.014		0.005	mg/l	30 TAC 335 Groundwater	3.65	mg/l
SW143	27SD143	--	Arsenic	4.1		0.32	mg/kg	Soil Background	9.2	mg/kg
			Barium	53.7		0.04	mg/kg	Soil Background	157.3	mg/kg
			Cadmium	0.84		0.06	mg/kg	Soil Background	0.67	mg/kg
			Chromium	8.5		0.1	mg/kg	Soil Background	24.9	mg/kg
			Lead	11.8		0.22	mg/kg	Soil Background	19	mg/kg
			Mercury	0.09		0.02	mg/kg	Soil Background	0.04	mg/kg

Summary of Detected Analytical Results, Detection Limits and Screening Criteria for FH-027 Samples

Location	Sample ID	Depth	Parameter	Result		PQL	Units	Screening Criteria	Screening Value	Units
SW143	27SD143	--	2-Methylnaphthalene	1.3		0.42	mg/kg	30 TAC 335 Industrial Soil GWP	0.0	mg/kg
			Bis(2-ethylhexyl)phthalate	0.94		0.42	mg/kg	30 TAC 335 Industrial Soil GWP	2.04	mg/kg
			Acetone	0.098		0.032	mg/kg	30 TAC 335 Industrial Soil GWP	1020	mg/kg
	27SW143	--	Barium	0.0747		0.0008	mg/l	30 TAC 335 Groundwater	2.0	mg/l
			Cadmium	0.001	B	0.0004	mg/l	30 TAC 335 Groundwater	0.005	mg/l
			Chromium	0.0009	B	0.0008	mg/l	30 TAC 335 Groundwater	0.1	mg/l
			1,2,4-trimethylbenzene	0.01		0.005	mg/l	30 TAC 335 Groundwater	0.0	mg/l

APPENDIX F

PAH Position Paper

FH-028

POLYCYCLIC AROMATIC HYDROCARBONS

POSITION PAPER

JULY 14, 1998

INTRODUCTION

Polycyclic (or polynuclear) aromatic hydrocarbons (PAHs) are distributed in surface soil and sediment at FH-028. This is not atypical with respect to PAH contamination because PAHs are one of the most common contaminants in the environment (ASTDR 1994, Edwards 1983: Eisler 1987; LaFamme and Hites 1978; Yang et al. 1991). PAH contamination presents a unique problem in that the concentrations found at FH-028 according to the TNRCC Screening criteria pose unacceptable risks to human health; however, many continuing PAH sources such as emissions from automobiles and tanks and nearby utility poles are more likely contributors to the PAH contamination than past SWMU activities. This questions whether PAHs require remediation in the RCRA corrective action and closure processes and whether any remediation efforts would be effective given the presence of continuing PAH sources.

2. BACKGROUND

PAHs are semi-volatile organic compounds that consist of two or more fused aromatic rings and include chemicals such as anthracene, benzo(a)pyrene (B(a)P), fluoranthene, and naphthalene, PAHs are formed when hydrocarbons undergo incomplete combustion in which hydrogen is consumed in preference to carbon. This results in the production of carbon ring structures that compose PAHs. PAHs exhibit a high degree of thermal stability, meaning they are not affected or broken down by common combustion reaction of incinerations. They are non-polar, high melting point, high boiling point compounds that are insoluble in water. Incomplete combustion of hydrocarbons is a common process; consequently, PAHs are ubiquitously distributed in most environmental media (i.e. air, soil, groundwater, surface water, and sediment) (ASTDR 1994; Edwards 1983; Eisler 1987; LaFlemme and Hites 1978; Yang et al. 1991).

2.1 COMMON SOURCES AND REPORTED CONCENTRATIONS

PAHs are introduced into the environment by both natural and anthropogenic (man-made) combustion processes. Major sources of naturally produced PAHs include volcanic eruptions, forest fires, and microbial production. Anthropogenic activities associated with significant production of PAHs include coke production in the iron and steel industry, catalytic cracking in the petroleum industry, the manufacture of carbon black and coal tar pitch and asphalt, power generation, controlled refuse incineration, woodburning stoves and fireplaces, cigarette smoking, open burning, and emissions from internal combustion engines (ASTDR 1994; Concord 1992; Edwards 1983; Eisler 1987; Menzie et al. 1992; Yang et al. 1991). The high thermal stability of PAHs result in their presence in the combustion products of most systems burning fossil fuels and wood. PAHs are natural components of crude oil, coal, and wood and therefore are released during the combustion of these fuels. As a result, any process involving the heating or combustion of crude oil, petroleum-derived products, coal or wood is a potential source for PAHs. However, properly managed combusters (e.g., modern fossil fuel-burning power plants) that operate at low temperatures (e.g., wood burning fireplaces) are more significant sources of PAHs. In addition to combustion-related sources, the direct application or release of any PAH-containing material, including asphalt, lubricating oil, coal tar, also can introduce PAHs into the environment.

Current literature suggest that the most common anthropogenic source of PAHs in the environment is automobile exhaust (Concord 1994; Edwards 1983; Eisler 1987; Menzie et al. 1992; Munch 1991; Takada et al. 1991; Yang et al. 1991). The high thermal stability of PAH compounds allows them to survive engine combustion and be released into the environment. The natural occurring presence of PAHs in coal and crude oil suggest that some geologic formations also may be sources of PAHs in the environment.

An understanding of the ambient environmental concentrations of PAHs can be obtained from numerous papers that have documented the levels of PAHs found in rural and urban soils. Carcinogenic PAHs have been found in surface soils throughout the world. Whether in an urban area, rural area, or remote forest, PAHs are present. These detections indicate that PAHs are present in most areas even in the absence of activities associated with handling wastes containing PAHs. Urban areas typically have higher soil concentration of carcinogenic PAHs than do rural or forest areas because of the proximity of urban areas to sources of fossil fuel combustion. Reported levels in soil from various environments are discussed below.

Forest Soil. Typical PAH concentrations for forest soil range from 1.5 µg/kg B(a)P in German beech and spruce forest near Lake Constance to 40 µg/kg in oak and pine forest in Massachusetts to 240 to 1300 µg/kg B(a)P in mixed forests in Connecticut and Massachusetts (Edwards 1983). Total PAH concentrations of 7000 µg/kg have been described for coniferous forest in Maine and 13,000 µg/kg for an oak forest in Massachusetts (Edwards 1983).

Agricultural Soil. PAH concentrations in agricultural soil vary from 86.6 µg/kg B(a)P (1,109 µg/kg total PAHs) for cultivated soil in Canada to 900 µg/kg B(a)P in a plowed field in Connecticut. Plowed wheat and cotton fields in Russia contained 0.4 and 4.6 µg/kg B(a)P, respectively (Edwards 1983).

Urban Soil. PAH concentrations in soil in urban areas have been reported at concentrations between 600 and 120,000 µg/kg. Bradley et al. (1994) described total PAH concentrations in Providence, Rhode Island, Boston, Massachusetts, and Springfield, Massachusetts at 16,800, 18,700, and 19,100 µg/kg (2,900, 4,600, and 4,500 µg/kg B(a)P), respectively. B(a)P concentration in Moscow ranged from 79.3 to 346.5 µg/kg. Blumer (1961) reports that B(a)P concentration in Cape Cod, Massachusetts soil range form 40 to 1300 µg/kg. Soil form open country near a town in Switzerland contained between 5,000 and 120,000 µg/kg total PAHs. Soils at the base of a utility poles in British Columbia showed a mean total PAH concentration of 3,076,000 µg/kg, while wood chips/splinters form treated wood poles and rail way ties contained about 62,000,000 and 1,600,000 µg/kg total PAHs, respectively (Wan 1994).

Soil in Industrial Areas. Soil in industrial areas have been reported to contain between 5.8 and 200,000 µg/kg B(a)P. Soil from an urban/industrial area in Czechoslovakia contained between 37.7 and 42.1 µg/kg B(a)P. In Russia, soil from a plastic factory contained between 5.8 and 299.7 µg/kg B(a)P and soil form an oil refiner contained 200,000 µg/kg B(a)P. Soil from a German tar plant was found to contain 120,000 µg/kg B(a)P (Edwards 1983).

Soils near Roads and Highways. Several studies have reported PAH concentrations associated with roads and highways. Eisler (1987) reported between 8,000 to 336,000 µg/kg total PAHs in road dust. A study of PAH concentrations found a mean concentration of 363 µg/kg B(a)P (3,346 µg/kg total PAHs) 0.5 meters form a major arterial road in a residential area in Brisbane, Australia (Yang et al. 1991). In fact, significant concentrations were detected at distances of 15 meters from the road (Yang et al. 1991). Another study sampled soil 0.2 meters from a road where total PAH concentrations ranged from 6,600 to 9,800 µg/kg, while B(a)P concentration fanged form 260 to 450 µg/kg (Munch 1991). A summary of existing data in a study funded by the Canadian government reported soil concentrations of 3,196 µg/kg of B(a)P 1 meter form a road and 947 µg/kg of B(a)P 100 meters from a Canadian road (Concord 1992) indicating that PAH levels decrease with distance from the road. A focused study of PAH concentrations in soil that one might expect to find due to automobile exhaust. B(a)P concentrations in soil ranged form 165 to 3,196 µg/kg, and total PAH concentrations ranged from 20,000 µg/kg at 1 meter to 8,000 µg/kg at 600 meters from a road.

2.2 FATE AND TRANSPORT

When released into the atmosphere, PAH compounds will become associated with particulate materials. Their residence time in the atmosphere, and transport to various geographic locations is governed by particulate size, meteorological conditions, and atmospheric reactions (Eisler 1987). Atmospheric reactivity is limited by the lifetime of the particle, which is affected by diffusion, sedimentation, and wet scavenging processes (Concord 1992). Transformation reactions of PAHs include nitration reactions and reactions with ozone and sulphur oxides. However, much of the PAHs released into the atmosphere eventually reach soil and surface water.

Migration of PAHs downward in the soil column is limited by the relatively strong adsorption of PAHs to soil particles (Concord 1992). Site-specific modeling of soil leaching has been conducted at a DOE facility for seven PAHs including B(a)P. The modeling results indicate that hundreds to thousands of years are required for PAHs in soil to migrate to groundwater, and higher molecular weight PAHs such as B(a)P migrate more slowly than lower weight PAHs. In general, the available evidence suggests that downward migration of PAHs in soil is limited and that PAHs do not appear to pose a threat to groundwater.

In surface water, PAHs my disperse into the water column, evaporate, settle out of the water column into bottom sediments, concentrate in aquatic organisms, or degrade (e.g. photochemical or biological oxidation). Once in bottom sediments, PAHs degrade very slowly due tot he absence of oxygen and light. As a result of rapid sedimentation and low degradation, sediments tend to accumulate PAH concentrations by a factor of 1000 or more relative to the overlying water (Concord 1992).

2.3 Risk Effects

2.3.1 Human Health Risks from Exposure to PAHs

Human health concerns center on the known or suspected carcinogenic properties as well as potential noncarcinogenic effects of some PAHs. Low molecular weight PAHs have toxic effects, but typically are not carcinogenic. However, high molecular weight PAHs are carcinogenic, but are relatively nontoxic. As a result of the widespread distribution of PAHs, humans are exposed to these compounds nearly everyday (Menzie et al. 1992). Typically, the largest potential dose of carcinogenic PAHs to nonsmokers is through consumption of food (96.2% of total PAH dose/day) (Menzie et al. 1992). Smokers and individuals living in urban environments with high ambient PAH concentrations may receive nearly an equal dose from air (Menzie et al. 1992). Menzie et al. (1992) report that incidental soil ingestion and consumption of drinking water only account for approximately 2.1% of the daily dose, but these are two of the media regulated in the RCRA corrective action process; whereas, food and tobacco smoke are not regulated by this process.

3. POTENTIAL SOURCES OF PAHS AT FH-028

Several of the previously mentioned sources of PAHs apply to past and/or present processes associated with FH-028 facility:

- combustion engines exhaust,
- utility poles and railroad ties (not sure of railroad ties),
- asphalt/paving operations, and
- dust/vegetation control operations (waste oil application).

Combustion Engine Exhaust. Vehicle exhaust is likely a source of PAHs in surface soil and sediment at FH-028. As mentioned previously, concentrations of B(a)P exceeding 3000 µg/kg have been frequently detected near roads and highways. In addition, emissions from the tanks that frequently travel the roads near the site are likely sources for the contamination. The highest concentration of B(a)P at FH-028 is 2800 µg/kg at SB-102.

Utility Poles. Treated wood utility poles are present at FH-028. As discussed previously, utility poles can be significant local sources of PAHs. For example soils at the base of utility poles have been shown to contain a mean total PAH concentration of 3,076,000 µg/kg (Wan 1994). In addition, wood chips/splinters from treated wood poles and railway ties contained about 62,000,000 and 1,600,000 µg/kg total PAHs, respectively (Wan 1994).

Asphalt/Paving Operations. Asphalt/paving operations include all areas where asphalt pavement has been installed (roads, parking lots, erosion control) and numerous areas where a grave/tar mixture has been installed along roads or buildings.

Dust/Vegetation Control Operations. Although no specific documentation is available which details the use of waste oil in dust and vegetation control, this type of application of waste oil was a common practice. The application of waste oil as a dust control was a common practice in the United States by farmers, resident, government, and industries. No analytical data is available relating to possible PAH concentrations in waste oil used in these types of applications.

4.0 FH-028 CONTAMINANTS OF CONCERN

Based on the most recent sampling event the following potential contaminants of concern and their concentration range at FH-028 are presented below.

Analyte	Range in mg/kg
Arsenic	10.3
Cadmium	0.63 to 5.8
Lead	22.5 to 530
Chromium	138
PAHs	
benzo(a)pyrene	.059 - 2.8
benzo(a)anthracene	.046 - 3.1
benzo(b)fluoranthene	0.84 - 4.6
benzo(g,h,i)perylene	0.4 - 1.6
benzo(k)fluoranthene	0.46 - 3.0
chrysene	0.75 - 4.5
dibenzo(a,h)anthracene	0.44 - 0.66
indeno(1,2,3-cd)pyrene	0.44 - 2.0
phenanthrene	0.43 - 1.1

CONCLUSIONS RELATING TO PAH REMEDIATION AT FH-028

PAHs are widely distributed in the environment and pose toxic and/or carcinogenic health risks to human and ecological receptors. PAHs have been detected in soil and sediment at FH-028; however, the concentrations detected are similar to concentrations detected in many areas outside of the facility boundaries such as other industrial areas and roadway soils as discussed previously. For example, of the B(A)P concentrations detected the highest concentration was 2.8 mg/kg which is less than the literature values for B(a)P in industrial soil. Accordingly, the risk from exposure to PAHs at FH-028 is similar to numerous environmental exposures which occur outside of FH-028.

The nature and concentration of PAHs in soils and sediment are similar to what has been reported by literature in areas that are not hazardous waste sites. PAHs exist in soils in forest, agricultural, rural, industrial , and urban areas. In addition, PAHs are present in most sediments, especially those near urban areas. At this time, US EPA is not requiring mitigation of PAHs at these locations which probably pose similar risk to human health and the environment. Remediating PAHs at FH-028 would reduce PAH levels below those typical at many other locations, but would not reduce risk to the general populations or environment.

At this time, it is possible to attribute most of the PAH contamination to on-site sources including asphalt, tar, automobile and tank exhaust, utility poles, and dust control as likely contributors to the PAH contamination, and these sources are still present at FH-028 and will continue to release PAHs. In addition, PAHs have probably been and continue to be transported to FH-028 from numerous off-site sources via wind dispersal and subsequent deposition. As a result, remediation of PAH contamination now would probably not be a long-term solution due to continuous deposition of PAHs to the environment from both on-site and off-site sources. Consequently, implementation of a RCRA Corrective Action in this area at this time would not reduce the overall risk to human health or the environment. It is recommended that any action for PAHs in surface soil and sediment at FH-028 locations be deferred until facility closure. PAH concentrations and the associated risks will be evaluated at that time for remediation to risk-based levels. However, implementation of surveillance and maintenance activities prior to closure, could be used for evaluation of PAH levels and a significant increase in concentration could warrant remediation at that time.