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REMEDIAL INVESTIGATION REPORT
SITE 17
NAVAL AIR STATION
PENSACOLA, FLORIDA

SOUTHNAVFACENGCOM
CONTRACT NUMBER: N62467-89-D-0318
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Prepared for:

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN)
NAVAL AIR STATION
PENSACOLA, FLORIDA

Prepared by:

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The Contractor, EnSafe/Allen & Hoshall, hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0318 is complete, accurate, and complies with all requirements of the contract.

Date: 2/10/97
Signature: B Caldwell
Name: Brian Caldwell
Title: Task Order Manager

February 10,1997

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19. Abstract

A remedial investigation was conducted for Category VI — Site 17 (the Transformer Storage Yard). The site consists of an approximately 150 by 250 feet rectangular area that is mostly asphalt paved. It is divided into three storage yards separated by chain link fencing. These yards are used by various departments of the NAS Pensacola Public Works Center. The assessment was conducted to assess the presence of PCB contaminants at the site. Until 1976, Site 17 was an open storage area for 200-300 transformers, some of which contained PCB laden oils. No deliberate disposal of FCB oils occurred on the rite, however, leakage was suspected from many of the transformers stored there. An Initial Assessment Study published in 1983 noted a black oily substance was found on the asphalt surface within the transformer storage area. Seventy parts per thousand of Aroclor-1260 were found in a grab sample taken from the oily residue. Other chlorinated hydrocarbons were found in the sample. A high degree of contamination was suspected within the storage yard, with possible contamination of unpaved areas outside of the yard's fence line.

To focus the location of wells and borings. PCB immunoassays were conducted on soils within the site area. Immunoassay results revealed PCBs up to 2 ppm at the site, with a total of six screening locations showing results greater than 1 ppm. Wells and borings were adjusted based on these results. Seven soil borings were advanced to the water table and seven temporary monitoring wells were installed to evaluate site conditions. Soil and groundwater samples were collected from these locations, along with a sediment sample from a site storm drain. All samples were submitted for full scan analyses.

Approximately 9 inorganic and 19 organic parameters were detected in laboratory analyzed samples. The analytical data were compared to risk-based PRGs for soil, sediment, and groundwater. Parameters above PRGs consisted of metals, pesticides, low and high molecular weight PAHs, and the PCB Aroclor-1260.

Arsenic. beryllium. and iron appeared to be the prevalent inorganics above PRGs throughout surface soil in the Site 17 area. Surface soil arsenic above the RBC and/or CG was found at seven of eight boring locations. Iron above the RBC was also found in most borings. A single boring contained beryllium above standards. Surface soil benzo(a)pyrene above standards was noted at three boring locations. Aroclor-1260 above PRGs was present at one location in the southeast portion of the site.

The surface soil stratigraphy consists of tine- to-medium grained quartz sand, varying from white to gray in color. Subsurface soils were white- to brown- to dark-brown tine- to-medium grained quartz sand. Soil colors varied depending on the location within the site area. The water table was encountered at roughly 5- feet bls throughout the site.

The storm sewer sediment sample contained 5 metals. 5 pesticides, Aroclor-1260, and 13 PAHs above sediment quality standards.

The groundwater evaluation revealed aluminum above secondary standards in site groundwater samples. No organics were present in groundwater samples. The absence of inorganic and organic soil constituents in site groundwater indicates that leaching of parameters to groundwater is not occurring at Site 17. The primary receiving aquifer within the Site 17 area is the surficial zone of the Sand-and-gravel aquifer, which is not utilized for any purpose at NAS Pensacola due to the availability of municipal water, the ambient levels of some metals, and the potential for salt water intrusion induced by pumping. Given that the upper surficial zone is affected, and is not used, nor anticipated to be used for drinking water, no remedial recommendation for secondary exceedances is required. Therefore, no recommendation to address aluminum is made. The primary surface water body receptor is the Intercoastal Waterway of Pensacola Bay. No wetlands exist in the vicinity of Site 17.

Due to the localized PCB concentrations above PRGs, it was decided that a full baseline risk assessment was unnecessary for Site 17. Because a person would not be expected to spend all of his/her time onsite in exactly one spot. a simulation of potential PCB exposure was made based on the assumption of uniform exposure to all surface soils within the investigative area. An estimate of the potential chronic Aroclor-1260 exposure concentration was calculated for Site 17 by computing the area weighted average concentration for the whole site. Although one surface soil Aroclor-1260 concentration was identified above PRGs in a single subarea at Site 17 (17S01), using weighted averaging shows that the site overall is below required action levels under 40 CFR 761.125 and USEPA (1994b) guidance. Based on Tier One agreement, there will be an interim soil removal during the spring of 1997 to remove the surface soil PCB contamination found at boring 17S01. The results of this removal will be presented as an addendum to this RI report. Subsequent to the successful completion of this removal, it is recommended that: (1) no further action (NFA) be conducted at this site, (2) the site area does not warrant the detailed evaluation of alternatives associated with a feasibility study, and (3) an NFA Proposed Plan be developed leading to an NFA Record of Decision for this site.

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List of Acronyms

µg/kg	Micrograms per kilogram
	Micrograms per liter
bls	Below land surface
CFR	Code of Federal Regulations
CG	Cleanup Goal
CLP	Contract Laboratory Program
CSAP	Comprehensive Sampling and Analysis Plan
DQO	Data Quality Objectives
E/A&H	EnSafe/Allen & Hoshall
E&E	Ecology and Environment, Inc.
FDEP	Florida Department of Environmental Protection
FNAI	Florida Natural Areas Inventory
FPDWS	Florida Primary Drinking Water Standard
FSDWS	Florida Secondary Drinking Water Standard
ft/day	Feet per day
G&M	Geraghty & Miller, Inc.
GC/MS	Gas Chromatograph/Mass Spectrometer
GPS	Global Positioning System
GS	Grain Size
IAS	Initial Assessment Study
ICP	Inductive Coupled Plasma
IFG	Inorganic Functional Guidelines
IRP	Installation Restoration Program
IS	Internal Standard
J	The compound was positively detected, however, the reported concentration is considered to approximate the concentration within the sample.
LCS	Laboratory Control Sample
mg/kg	Milligrams per kilogram
MS	Matrix Spike
MSD	Matrix Spike Duplicate
msl	Mean sea level
NAS	Naval Air Station
NEESA	Naval Energy and Environmental Support Activity (now NFESC/Naval Environmental Engineering Support Agency)
NFESC	Naval Facilities Engineering Service Center (formerly NEESA)
OFG	Organic Functional Guidelines
PAH	Polycyclic Aromatic Hydrocarbon
PCB	Polychlorinated Biphenyls
ppm	Parts per million
PRG	Preliminary Remediation Goal
PWC	Public Works Center

QA/QC	Quality Assurance/Quality Control
R	The sample results are rejected due to serious deficiencies in the laboratory's ability to analyze the sample and meet QC criteria. The presence or absence of the compound cannot be verified.
RBC	Risk-based Concentration
RI	Remedial Investigation
ROD	Record of Decision
SAP	Sampling and Analysis Plan
SDG	Sample Delivery Group
SEGS	Southeastern Geological Society
SMCL	Secondary Maximum Contaminant Levels
SMP	Site Management Plan
SOUTHNAVFACENGCOM	Southern Division Naval Facilities Engineering Command
SOW	State of Work
SSL	Soil Screening Level
SSV	Sediment Screening Value
TAL	Target Analyte List
TCL	Target Compound List
TEL	Threshold Effects Level
UR	The compound was not detected above the reported sample quantitation limit. However, the sample results are rejected due to serious deficiencies in the laboratory's ability to analyze the sample and meet QC criteria. The presence or absence of the compound cannot be verified.
USEPA	United States Environmental Protection Agency
USFWS	United States Fish and Wildlife Service
USGS	United States Geological Survey

EXECUTIVE SUMMARY

A remedial investigation was conducted for Category VI — Site 17 (the Transformer Storage Yard). The site consists of an approximately 150 by 250 feet rectangular area that is mostly asphalt paved. It is divided into three storage yards separated by chain link fencing. These yards are used by various departments of the NAS Pensacola Public Works Center. The assessment was conducted to assess the presence of PCB contaminants at the site. Until 1976, Site 17 was an open storage area for 200-300 transformers, some of which contained PCB laden oils. No deliberate disposal of PCB oils occurred on the site, however, leakage was suspected from many of the transformers stored there. An Initial Assessment Study published in 1983 noted a black oily substance was found on the asphalt surface within the transformer storage area. Seventy parts per thousand of Aroclor-1260 were found in a grab sample taken from the oily residue. Other chlorinated hydrocarbons were found in the sample. A high degree of contamination was suspected within the storage yard, with possible contamination of unpaved areas outside of the yard's fence line.

To focus the location of wells and borings, PCB immunoassays were conducted on soils within the site area. Immunoassay results revealed PCBs up to 2 ppm at the site, with a total of six screening locations showing results greater than 1 ppm. Wells and borings were adjusted based on these results. Seven soil borings were advanced to the water table and seven temporary monitoring wells were installed to evaluate site conditions. Soil and groundwater samples were collected from these locations, along with a sediment sample from a site storm drain. All samples were submitted for full scan analyses.

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The groundwater evaluation revealed aluminum above secondary standards in site groundwater samples. No organics were present in groundwater samples. The absence of inorganic and organic soil contaminants in site groundwater indicates that leaching of parameters to groundwater is not occurring at Site 17. The primary receiving aquifer within the Site 17 area is the surficial zone of the Sand-and-gravel aquifer, which is not utilized for any purpose at NAS Pensacola due to the availability of municipal water, the ambient levels of some metals, and the potential for salt water intrusion induced by pumping. Given that the upper surficial zone is affected, and is not used, nor anticipated to be used for drinking water, no remedial recommendation for secondary exceedances is required. Therefore, no recommendation to address aluminum is made. The primary surface water body receptor is the Intercoastal Waterway of Pensacola Bay. No wetlands exist in the vicinity of Site 17.

Due to the localized PCB concentrations above PRGs, it was decided that a full baseline risk assessment was unnecessary for Site 17. Because a person would not be expected to spend all of his/her time onsite in exactly one spot, a simulation of potential PCB exposure was made

based on the assumption of uniform exposure to all surface soils within the investigative area. An estimate of the potential chronic Aroclor-1260 exposure concentration was calculated for Site 17 by computing the area weighted average concentration for the whole site. Although one surface soil Aroclor-1260 concentration was identified above PRGs in a single subarea at Site 17 (17S01), using weighted averaging shows that the site overall is below required action levels under 40 CFR 761.125 and USEPA (1994b) guidance. Based on Tier One agreement, there will be an interim soil removal during the spring of 1997 to remove the surface soil PCB contamination found at boring 17S01. The results of this removal will be presented as an addendum to this RI report. Subsequent to the successful completion of this removal, it is recommended that: (1) no further action (NFA) be conducted at this site, (2) the site area does not warrant the detailed evaluation of alternatives associated with a feasibility study, and (3) an NFA Proposed Plan be developed leading to an NFA Record of Decision for this site.

1.0 INTRODUCTION

Under the authority of the U.S. Navy Comprehensive Long-Term Environmental Action Navy program, a Remedial Investigation (RI) was recently completed at Site 17, the Transformer Storage Yard, at Naval Air Station (NAS) Pensacola. This site is listed under Category VI of the Site Management Plan (SMP) of the Installation Restoration Program (IRP) for NAS Pensacola (Southern Division, Naval Facilities Engineering Command [SOUTHNAVFACENGCOM], 19%) Site 17 is located at the intersection of Hovey and Brown roads.

The investigation was undertaken by EnSafe/Allen & Hoshall (E/A&H) to meet the requirements of the federal Comprehensive Environmental Response, Compensation, and Liability Act of 1980 program, which administers the investigation and cleanup of hazardous waste sites. The RI report summarizes the investigation activities and presents findings and conclusions.

Investigation Objectives

The objectives of this investigation were to determine the source, nature, magnitude, and extent of onsite soil, sediment, and groundwater contamination, and use validated sample data to address contamination and recommend appropriate action.

The investigation was phased, to allow for real-time input from the Tier One team, before additional phases were executed. Thus, the investigation incorporated periodic input from the U.S. Environmental Protection Agency (USEPA) and the Florida Department of Environmental Protection (FDEP).

The investigation included:

- A review of the site's history, background, and previous investigations.

- A preliminary field survey to characterize the study area.

- The advancement of soil borings, installation of monitoring wells, and collection of soil, sediment, and groundwater samples for chemical analysis.

- A hydrologic assessment.

Purpose of the Report

This RI report summarizes the activities, results, and conclusions of the overall investigation, and provides the basis for a feasibility study to be completed and, ultimately, a Record of Decision (ROD) for the site. The report also documents the data collection and analytical methods used during the investigation.

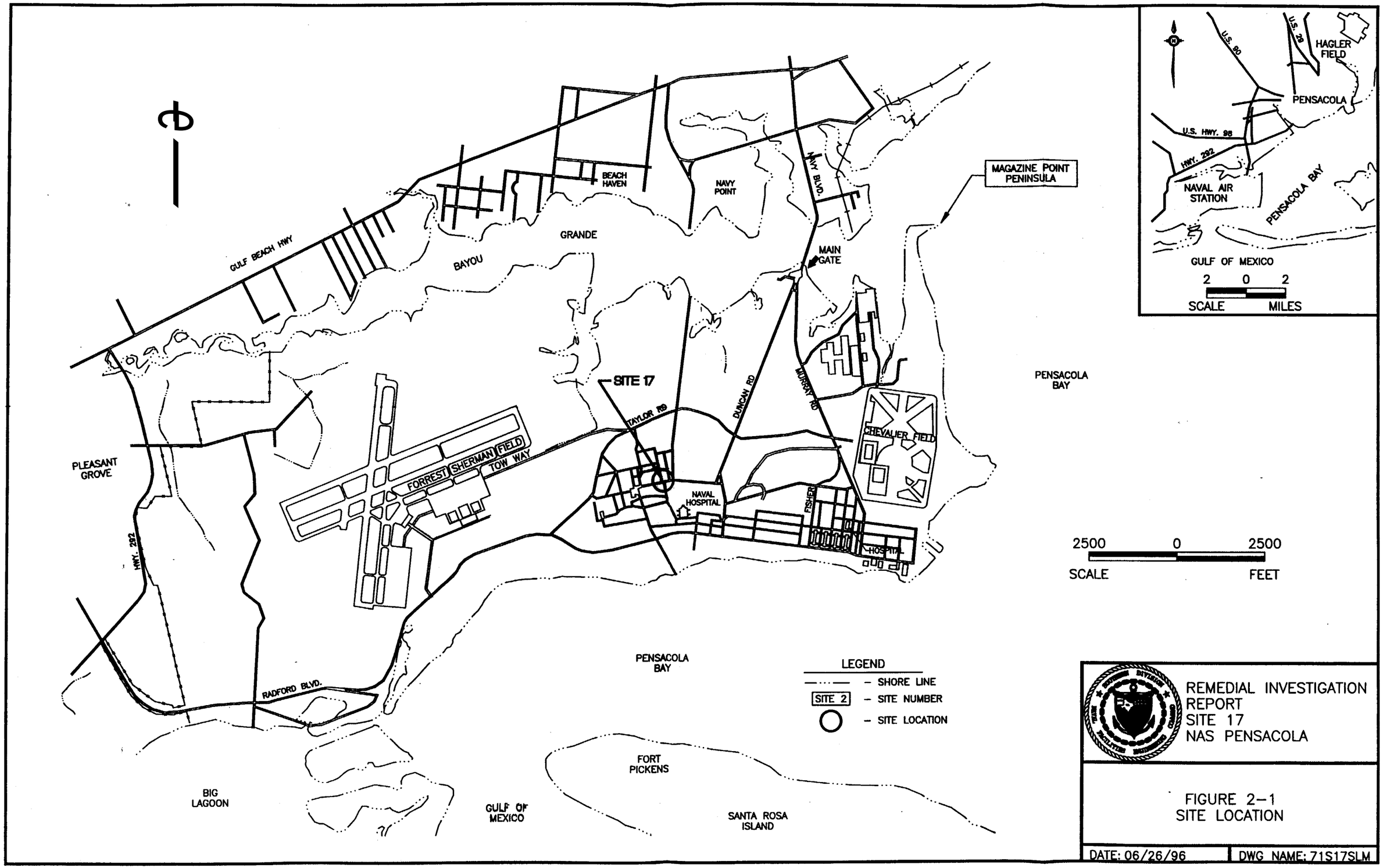
2.0 SITE DESCRIPTION AND HISTORY

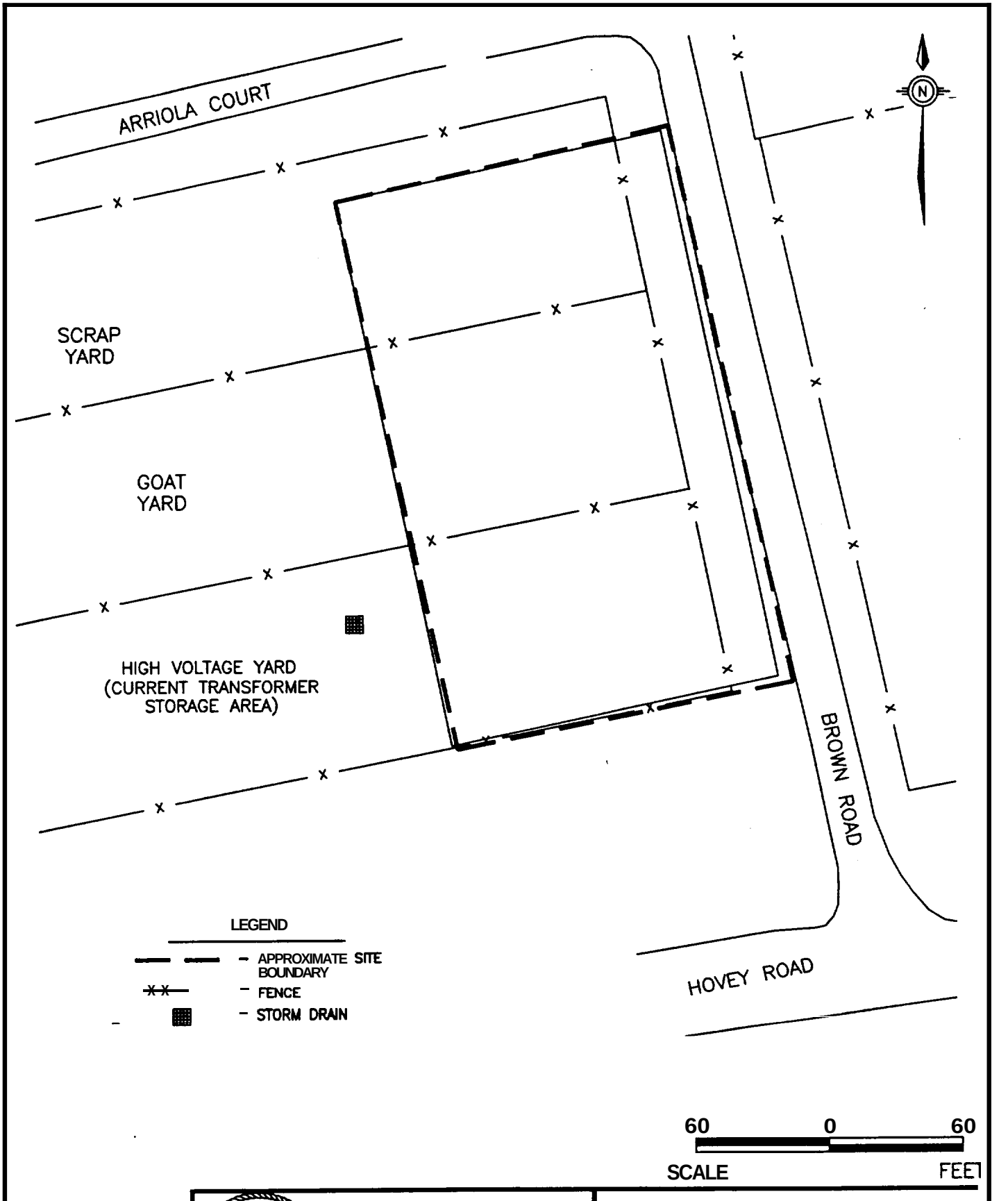
2.1 Site Area Description

Site 17 of Category VI is at Hovey and Brown roads, approximately near the center of the installation, as shown on Figure 2-1, Site Location Map, and Figure 2-2, Site Area Map. The site consists of an approximately 150- foot by-250 foot rectangular area that is mostly asphalt paved. It is divided into three storage yards separated by chain-link fencing. These yards are used by various departments of the NAS Pensacola Public Works Center (PWC). The northernmost yard is known as the "Scrap Yard," and is currently used to store scrap metal. The center yard, known as the "Goat Yard," is currently used to store vehicle trailers. The southern yard, known as the "High-Voltage Yard," is used to store various types of equipment, including vehicles, transformers, and wooden utility poles. Access to the Scrap and Goat yards are controlled by the PWC Tool Control Center, while access to the High-Voltage Yard is controlled by the PWC Utilities Department.

Hovey Road lies about 100 feet to the south of site, and serves as a main east-west thoroughfare for commands and facilities between Duncan and Taylor roads. A grassy landscaped area sparsely covered with trees lies between the site and Hovey Road. Brown Road abuts the site to the east. This north-south drive provides access to the Arriola Court housing area, about 200 feet north of the site. Arriola Court Drive parallels the border of the site approximately 50 feet to the north, where it intersects Brown Road. A grassy median exists between the site and Arriola Court Drive. An asphalt parking lot and a tree-covered landscaped area are between Arriola Court Drive and the housing area. The area west of the site includes portions of the storage facilities described. The High Voltage Yard has two storm drains.

The Site 17 area is generally flat with a land surface elevation averaging 20 to 25 feet above mean sea level (msl). A number of other IRP sites exist in the vicinity of the site (averaging 1,200 to 1,500 feet northeast of Site 17). These include Site 8 (the Rifle Range Disposal Area),


GULF BEACH HWY
BEACH HAVEN
NAVY POINT
NAVY BLVD.
MAGAZINE POINT PENINSULA
GRANDE
BAYOU
MAIN GATE
SITE 17
TAYLOR RD
DUNCAN RD
MURRAY RD
CHEVALIER FIELD
PENSACOLA BAY
PLEASANT GROVE
FORREST SHERMAN FIELD
TOW WAY
NAVAL HOSPITAL
FISHER
HOSPITAL
HWY. 292
RADFORD BLVD.
PENSACOLA BAY
FORT PICKENS
BIG LAGOON
GULF OF MEXICO
SANTA ROSA ISLAND
LEGEND
SHORE LINE
SITE 2 – SITE NUMBER
SITE LOCATION
2500 0 2500
SCALE FEET
U.S. 90
U.S. 29
HAGLER FIELD
PENSACOLA
U.S. HWY. 98
HWY. 292
NAVAL AIR STATION
PENSACOLA BAY
GULF OF MEXICO
2 0 2
SCALE MILES
REMEDIAL INVESTIGATION REPORT
SITE 17
NAS PENSACOLA
FIGURE 2-1
SITE LOCATION
DATE: 06/26/96
DWG NAME: 71S17SLM



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SITE 17
NAS PENSACOLA

FIGURE 2-2
SITE AREA MAP

DATE: 07/16/96 | DWG NAME: 71S17SAM

Site 22 (the Refueler Repair Shop), and Site 24 (the DDT Mixing Area). The nearest monitoring wells include a Site 1 well cluster about 1,350 feet north of the site, and those installed for the IRP sites mentioned.

2.2 Site History and Previous Investigations

The Initial Assessment Study (IAS) performed by the Naval Facilities Engineering Service Center (NFESC, formerly the Naval Energy and Environmental Support Activity [NEESA]), states that until 1976, Site 17 was an open storage area for 200-300 transformers, some of which contained polychlorinated biphenyl (PCB) laden oils. No deliberate disposal of PCB oils occurred onsite, however, leakage was suspected from many of the transformers stored there. A black oily substance was noted on the asphalt surface within the transformer storage area. Seventy parts per thousand of Aroclor-1260 were detected in a grab sample collected from the oily residue. Other chlorinated hydrocarbons also were detected in the sample. A high degree of contamination was suspected within the storage yard, with possible contamination of unpaved areas outside of the yard's fence line. Further study of the site was recommended (NEESA, 1983).

Site 17 was further studied in a 1984 Verification Study conducted by Geraghty and Miller, Inc. (G&M). Three shallow borings were advanced through the pavement onsite, with soil samples collected immediately below the pavement, and at depths of 12 and 24 inches. Samples from one boring contained up to 9 parts per million (ppm) of Aroclor-1260, with most samples containing less than 0.2 ppm of PCBs. The study suggested that PCBs had not permeated through the asphalt, but may have been washed through joints or cracks in the pavement. The study also said the area of affected soil was small, and that it should be noted in the base master development plan. No further environmental investigation of the site was recommended (G&M, 1984).

3.0 ENVIRONMENTAL SETTING

3.1 Physiography

NAS Pensacola is in the Gulf Coast lowlands on a peninsula bounded by Pensacola Bay to the south and east and Bayou Grande to the north. The main topographic feature is a bluff paralleling the southern and eastern shorelines of the peninsula. Landward of the bluff is a gently rolling upland with elevations up to 40 feet above msl (U.S. Geological Survey [USGS], 1970a and 1970b). In the eastern part of the base, a low and nearly level marine terrace lies east of the bluff with elevations of approximately 5 feet or less above msl, constituting the areas of the former Chevalier Field and Magazine Point.

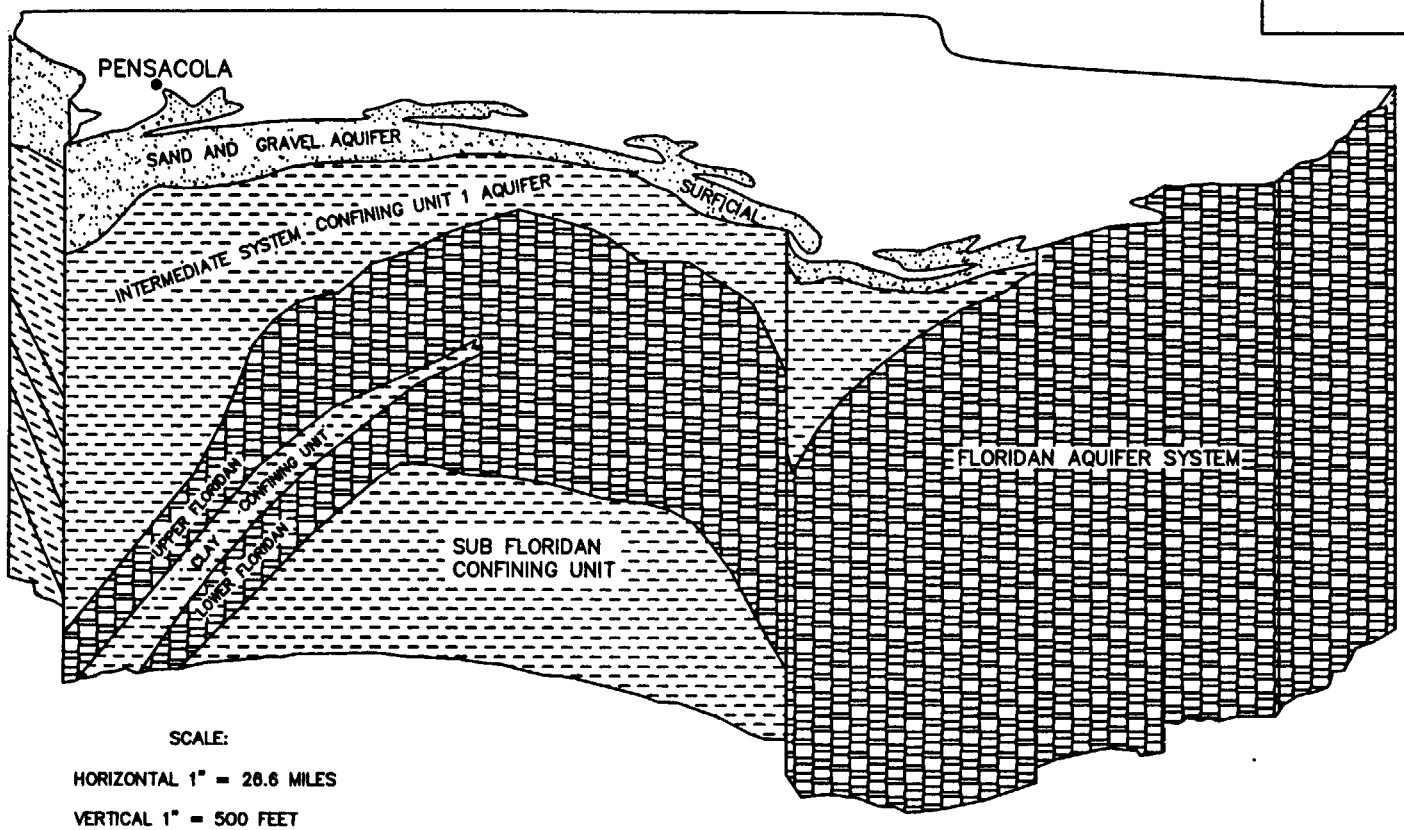
Sandy soils typify the NAS Pensacola area. Consequently, most rainfall infiltrates directly into the subsurface, resulting in few natural streams. Streams on base generally are man-made and channelized. Numerous natural wetlands occur in low-lying areas.

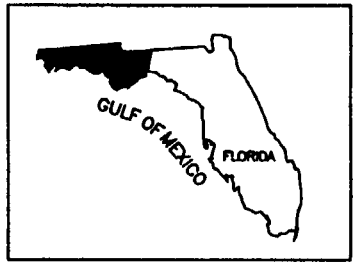
3.2 Stratigraphy and Hydrogeology

Stratigraphy beneath the Florida Panhandle generally consists of Quaternary marine terrace and fluvial deposits, underlain by a thick sequence of interlayered fine-grained clastic deposits and carbonate strata of Tertiary age (Southeastern Geological Society [SEGS], *1986).* Three main regional hydrogeologic units have been described within this stratigraphic column (in descending order): the Surficial/Sand-and-Gravel Aquifer, the Intermediate System, and the Floridan Aquifer System. Figure 3-1 provides a generalized cross section of these hydrogeologic units in northwest Florida.

Surficial/Sand-and-Gravel Aquifer

The Surficial Aquifer, comprising primarily unconsolidated siliciclastic sediments, is approximately 300 feet thick at NAS Pensacola. These sediments .belong to undifferentiated Pleistocene-Holocene terrace deposits, the Pliocene Citronelle formation, and underlying Miocene coarse clastics (Wilkins et al., *1985).* West of the Choctawhatchee River in northwest





SCALE:

HORIZONTAL 1" = 26.6 MILES

VERTICAL 1" = 500 FEET

VERTICAL EXAGGERATION = 281

SOURCE: E&E 1992c.

REMEDIAL INVESTIGATION
REPORT
SITE 17
NAS PENSACOLA

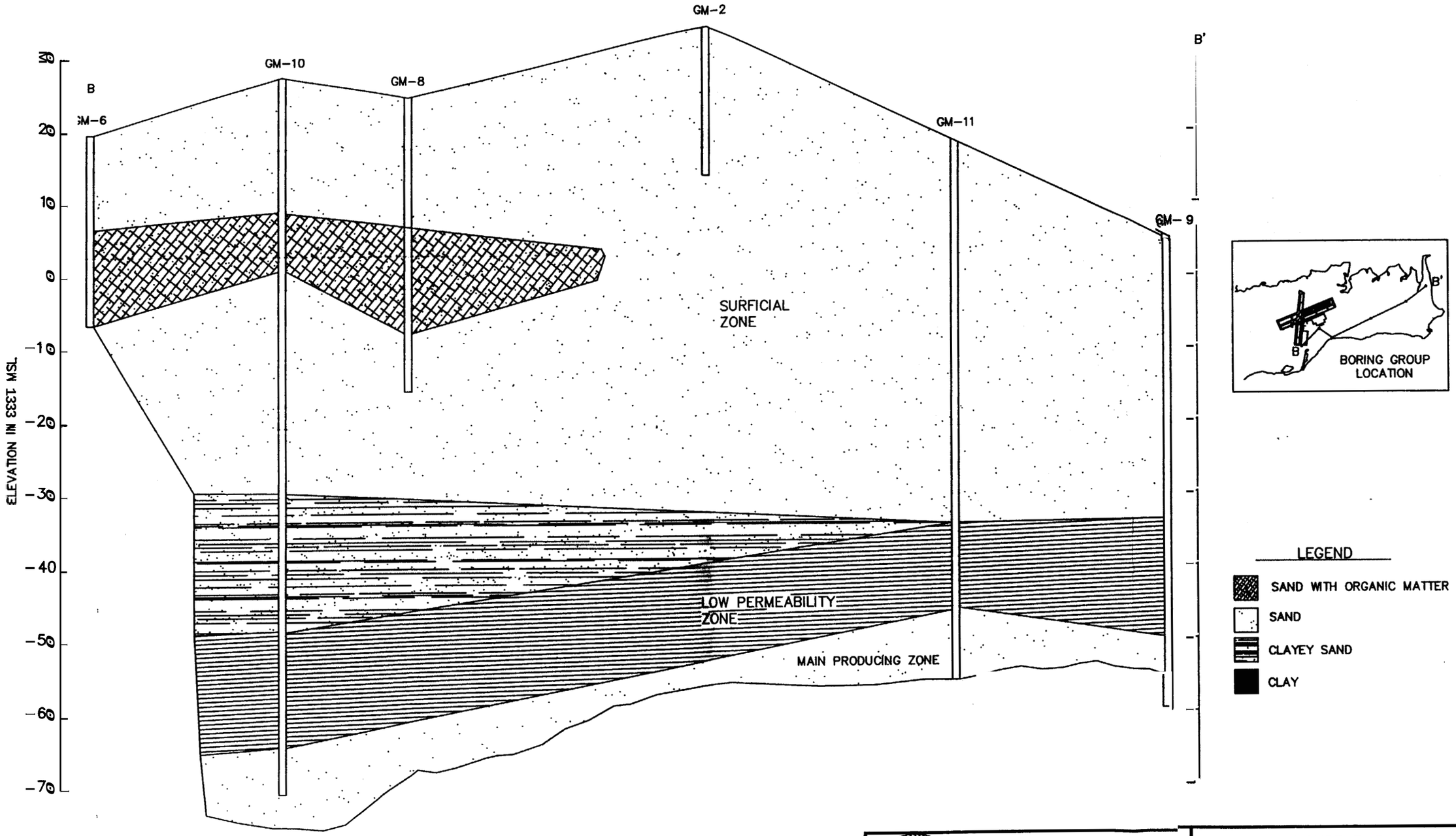
FIGURE 3-1
GENERALIZED GEOLOGIC CROSS-SECTION OF
HYDROGEOLOGIC UNITS IN
NORTHWEST FLORIDA

DATE: 06/12/96 | DWG NAME: 71S17HUS

Florida, the Surficial Aquifer is referred to as the Sand-and-Gravel Aquifer, and is a major source of drinking water (SEGS, 1986). The FDEP classification of the surficial aquifer is G-1 with a USEPA classification of IIA. Because the Sand-&-Gravel Aquifer is the uppermost unit contiguous with land surface and receives recharge through direct infiltration, it is susceptible to contamination from surface activities. Near NAS Pensacola, the unit has been subdivided into three distinct zones based on hydrogeologic differences (in descending order): ***the surficial zone, the low permeability zone,*** and ***the main producing zone*** (Wilkins et al., 1985). This investigation focuses on the upper (shallow depth) and basal (intermediate depth) portions of the surficial zone. A generalized cross section of the Sand-and-Gravel Aquifer produced by G&M (1984), as shown in Figure 3-2, illustrates the stratigraphic relationship of these zones.

Surficial Zone

The surficial zone is contiguous with land surface and contains groundwater under water table or perched conditions. At NAS Pensacola, the surficial zone is approximately 40 to 60 feet thick and is generally composed of a poorly graded quartz sand (G&M, 1984 and 1986). Beneath the western side of the base, a substantial stratum of sand with abundant organic matter occurs within the zone and pinches out to the east. Depth to groundwater ranges from 0 to 20 feet depending on ground surface elevation. Aquifer tests have yielded high hydraulic conductivities, on the order of 10^{+1} to 10^{+2} feet/day (Ecology and Environment [E&E], 1990). The lower contact with the low permeability zone is transitional, resulting in a fining downward sequence in the lower portion of the surficial zone proper. Generally, the low permeability zone is thicker to the west, and thins to the east. This increased clay content in the transition from surficial to the low permeability zone is responsible for lower hydraulic conductivities that have been measured in the base of the surficial zone. Shallow groundwater flow in the surficial zone is generally influenced by topography, usually flowing toward and discharging to the nearest surface water body.



SOURCE: GERAGHTY & MILLER, 1986

REMEDIAL INVESTIGATION REPORT
SITE 17
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FIGURE 3-2
GEOLOGICAL CROSS-SECTION OF THE SURFICIAL AQUIFER AT NAS PENSACOLA

DATE: 06/12/96 | DWG NAME: 71S17GCS

Low Permeability Zone

The low permeability zone underlies the surficial zone and is characterized by clay and silt-sized sediments. At NAS Pensacola, this zone comprises gray to blue-gray sandy and silty marine clay with some shell fragments and clayey sands, with total thickness ranging from 8 to 40 feet (G&M, 1984 and 1986). The upper contact is transitional with the overlying surficial zone; however, the top of the low permeability zone is marked by the first Occurrence of a stiff blue-gray clay. Studies at NAS Pensacola indicate the low permeability zone is continuous beneath the air station. Hydraulic conductivities of the low permeability zone are much lower than the overlying surficial zone, ranging between the orders of 10^{-4} feet/day for clays and 10^{+0} feet/day for clayey sands (G&M, 1986). Hence, the low permeability zone acts as a confining or semiconfining layer to inhibit groundwater flow between the overlying surficial and underlying main producing zone.

Main Producing Zone

The main producing zone underlies the low permeability zone and constitutes the bottom portion of the Sand-and-Gravel Aquifer. Regionally, depth to the top of the zone ranges from 60 to 120 feet. The zone is composed of sand and gravel with thin beds of silt and clay, and is estimated to be approximately 300 feet thick at NAS Pensacola. Of the three zones in the Sand-and-Gravel Aquifer, this one is generally the most permeable and is the principal source of water supply for the Pensacola area (Wilkins et al., 1985). Groundwater in this zone generally is confined. It recharges primarily north of southern Escambia County and is supplemented by leakage in the northern parts of the county where it is present at the surface. Regional groundwater flows generally east toward Pensacola Bay and south toward the Gulf of Mexico. Three supply wells at NAS Pensacola produce water from this zone; however, they are used only as an emergency supplement to the base water supply, to irrigate the base golf course, and for fire protection due to the water's high iron content (G&M, 1984 and 1986). For potable water, NAS Pensacola depends on offsite water provided from main producing zone wells at Corry Field, approximately three miles to the north.

Intermediate System

The Intermediate System, a regionally and vertically extensive, laterally persistent hydrologic unit, underlies the Surficial/Sand-and-Gravel Aquifer. The system is comprised of fine-grained clastic units of Miocene age (Pensacola Clay, Alum Bluff Group) that lie beneath coarse clastics of the overlying Sand-and-Gravel Aquifer. In the NAS Pensacola vicinity, depth to the top of the unit is approximately 300 feet, with a thickness of approximately 1,100 feet (Wilkins et al., 1985; SEGS, 1986). The system is regionally characterized by poor to non-water-bearing conditions. Permeabilities are much lower than those of the overlying Sand-and-Gravel Aquifer and the underlying Floridan Aquifer System, and consequently the system functions as a confining unit for the underlying Floridan Aquifer System (SEGS, 1986).

Floridan Aquifer System

The Floridan Aquifer System underlies the Intermediate System at an approximate depth of 1,400 feet in the NAS Pensacola area. The unit is predominantly limestone, but is separated into upper and lower units by a significant clay layer called the Bucatunna Clay (see Figure 3-1). Groundwater within the Floridan System is highly mineralized in the area of NAS Pensacola and is not used for water supply (Wagner et al., 1984). However, groundwater from the Upper Floridan Aquifer is used for water supply approximately 25 miles east of NAS Pensacola.

3.3 Ecological setting

3.3.1 Regional Ecological Setting

According to Wolfe et al. (1988), the Florida Panhandle has a wide variety of surface waters and physiographic regions, leading to an ecological diversity found in few other areas of the United States. Watersheds of the panhandle support a diverse array of habitats and vegetative communities. Bottom land hardwoods predominate in river floodplains and pines, mixed with a variety of other shrubs, prevail in upland areas. Wetlands are prevalent along the coastal fringe and river floodplains. Barrier islands support dune vegetation communities and salt

marshes. Bays supporting seagrass meadows and oyster reefs are present in intertidal and subtidal areas.

Seven major rivers in the region discharge into seven bar-built estuaries formed at the mouths of the rivers. The Florida Panhandle is a crossroads where animals and plants from the Gulf Coastal Plain reach their eastward distributional limits, and where many northern species reach their southern limits. Many peninsular Florida species are also distributed there. Due to the wet temperate climate of the region, the panhandle area may support the highest diversity of species of any other similar-size territory in the U.S.

The high annual rainfall and low, gently sloping terrain create numerous wetlands in the region. Bogs, swamps, marshes, wet prairies, and wet flatwoods provide a diversity of wetland types supporting a wide variety of flora and fauna. Terrestrial vegetation includes open pine woods and hardwood forests; most are second-growth forests of pines and encroaching hardwoods.

The Florida Panhandle's estuaries and nearshore marine habitats are some of the greatest natural and economic assets of the region. Important commercial organisms (such as oysters and fish) abound in these areas and contribute to the region's economy. Coastal saltmarsh habitats provide critical nursery, feeding, and refuge for these important commercial species. Seagrass beds within estuaries also are vital to the seafood industry.

3.3.2 Ecological Setting at NAS Pensacola

NAS Pensacola, which occupies approximately 5,800 acres, is bounded by Bayou Grande to the north and Pensacola Bay to the east and south. To the west, the installation transitions to less developed swampy lowlands. NAS Pensacola's eastern portion is largely developed, with military and industrial facilities and historical/cultural sites. Most of the installation's activities are on the eastern side of the base. The less developed west side of the base has approximately 3,500 acres of natural or seminatural beach areas, forests, and wetlands.

NAS Pensacola is the setting for numerous aquatic and terrestrial habitats, from coastal strand and estuarine environments along the bay and bayou to inland pine flatwood communities. Wetland environments include a broad spectrum of both estuarine and palustrine wetlands, as well as various disturbed habitats, many in states of recovery as they undergo reforestation or return to their natural condition.

Vegetation Communities

NAS Pensacola natural vegetation communities fall into several broad categories: (1) coastal dune scrub communities, (2) pine flatwoods communities, (3) hardwood/pine communities, (4) sand pine scrub communities, (5) bay swamps, (6) freshwater marshes, and (7) estuarine coastal marshes (U.S. Fish and Wildlife Service [USFWS], 1987). Coastal dune scrub communities are associated with shorelines subject to high-energy waves. The vegetation consists of salt-tolerant plants able to establish themselves in shifting sands. Pine flatwood communities in coastal lowlands are characterized by trees that can tolerate various soil moisture conditions. Tree species in flatwood communities are short, with a wide variety of small shrubs and herbaceous plants in the understory. Hardwood/pine communities are a highly diverse mixture of hardwood trees and pines. Sand pine scrub communities on welldrained sandy soil contain sand pines, oaks, and various shrubs. Bay swamps are wetlands with titi and cypress swamps known to contain permanent standing water and high accumulations of organic peat. Freshwater marshes occur as grass/sedge/rush/herb communities in areas with high soil saturation or standing water. Estuarine coastal marshes, including salt marshes, occur along low-energy shorelines and in tidal bayous (USFWS, 1987).

Wildlife

NAS Pensacola habitats provide potential ranges for a wide variety of animal life such as deer, squirrel, opossum, raccoon, fox, beaver, and bobcat. The station's beaches serve as resting, feeding, and nesting areas for various shorebirds. Ospreys have been observed nesting along undeveloped shoreline areas of the Big Lagoon, southeast of the Forrest Sherman Airfield.

Numerous small mammals, amphibians, and reptiles also inhabit the base. The coastal marsh, submerged grass bed, and shallow water habitats at NAS Pensacola help support fishery communities within the Pensacola Bay estuarine complex. Approximately 180 species of bony fishes form the basis of the Pensacola Bay fish community (USFWS, 1987).

Threatened and Endangered Species

Appendix A of the *Comprehensive Natural Resources Management Plan for NAS Pensacola and Outlying Field Bronson* (USFWS, 1987) lists the rare, threatened, and endangered species that may be found within NAS Pensacola boundaries. E/A&H investigations of different areas of NAS Pensacola have identified osprey, great blue heron (as well as other shorebirds), alligator snapping turtle, Godfrey's golden aster, Carolina lilaeopsis, white-top pitcher plant, and narrow-leaved sundew. All are considered rare or endangered for Escambia County, Florida, by the Florida Natural Areas Inventory (Florida Natural Areas Inventory [FNAI], 1995).

3.4 *Area* Climate

The Pensacola area has a mild, subtropical climate with average annual temperature ranging from 55°F in the winter to 81°F in the summer. Daily temperatures *can* be more extreme, ranging from less than 7°F in the winter to more than 102°F in the summer. Thunderstorms, which occur on approximately half the summer days, *can* cause a precipitous drop in temperature of 10 to *20* degrees in a matter of minutes (E&E, 1992a).

November is the driest month of the year, with an average rainfall of 3.2 inches, based on climatological data from 1962 to 1991. Rainfall averages approximately 60 inches a year, with the highest amounts in July and August when thunderstorms *occur* almost daily. Thunderstorms resulting in 3 to 4 inches of rain in an hour are common. Rainfall is lowest during spring and fall (4 inches average per month). In general, spring and fall rains *are* less intense, last longer, and produce less surface runoff, but higher rates of infiltration and net recharge (E&E, 1992a).

Winds, which prevail from the north during the winter and the south during the summer, are generally moderate in velocity, except during thunderstorms. A difference in the ocean-land temperature produces the sea-breeze effect, a daily clockwise rotation in the surface wind direction near the coast. Hurricanes and tornadoes *can* substantially damage the nearshore environment. Since 1980, eight hurricanes have passed within *50* miles of Pensacola, the most recent being Hurricanes Erin and Opal in August and October 1995, respectively.

4.0 PRELIMINARY SURVEYS

4.1 Contaminant Source Survey

The site was surveyed preliminarily to determine the best possible placement of PCB immunoassay screening points, soil borings, and monitoring wells, based on current and historical knowledge of the site and surrounding areas. Aerial photos were closely scrutinized to detect changes in the site area over time. Surface features, such as storm drains were noted to identify potential pathways of contaminants both to and from the site. The current use of the area also was noted.

The following sources were reviewed:

- Previous investigation reports and site historical information
- NAS Pensacola PWC drawings and utility maps
- Aerial photographs

Contaminant Source Survey Findings

A review of aerial photographs from 1961 to 1992 indicate no apparent changes to the site or its surroundings. Early photos depict two small structures south of the site, in what is now the grassy area between the site and Hovey Road. These were removed by the late 1970s. However, the site area itself appears the same throughout the years in the photos.

4.2 Habitat and Biota Survey

Site 17 lies within a developed area of the base, and is not near any surface water bodies, wetlands, or wooded zones. No natural plant or animal habitats exist onsite, which is surrounded by grassy landscaping containing scattered trees. Animals inhabiting the site area include squirrels, rodents, birds and insects that can be found in similar developed areas on the base. No threatened or endangered species are found onsite.

5.0 FIELD INVESTIGATION METHODS

The field investigation took place in September 1995, in conjunction with preliminary work on other Category VI sites identified in the NAS Pensacola SMP (SOUTHNAVFACENGCOM, 1996). Work was performed in accordance with the Work Plan for Sites 17, 18, and 28 (E&E, 1992b), the Sampling and Analysis Plan (SAP) for Site 17 (E/A&H, 1995a), the Final Comprehensive Sampling and Analysis Plan (CSAP) (E/A&H, 1994a), and the U.S. Environmental Protection Agency (USEPA) Region IV Standard Operating Procedures and Quality Assurance Manual (1991). Field methods followed guidelines set forth in these documents. Where warranted by field conditions, deviations from the approved procedures were carried out and appropriately documented. The investigation was conducted to identify whether contaminants were present onsite, comparing identified constituents to previously established preliminary remediation goals (PRGs). Based on Tier 1 agreement, it was agreed to use temporary monitoring wells during the initial investigation, with permanent wells to be used in later phases, if required. The intent was to rapidly identify the soil, sediment, and groundwater parameters above PRGs, and their sources.

Analytical Parameters

Per the site-specific SAP, the field investigation at Site 17 included soil, sediment, and groundwater sampling. All samples were analyzed for the full Target Analyte List/Target Compound List (TAL/TCL) in accordance with the Contract Laboratory Program (CLP). Additional samples were collected for total organic carbon, and grain size (GS) analyses where dictated by the site-specific SAP. All chemical and physical parameters analyses were performed by Savannah Laboratories of Savannah, Georgia. GS analyses were performed by Thompson Engineering and Testing, of Mobile, Alabama.

5.1 Field Investigation

The field investigation for Site 17 was conducted by E/A&H personnel in accordance with the site-specific SAP.

5.1.1 Immunoassay Sampling

Figure 5-1 depicts the test locations for PCB immunoassays conducted during the investigation for Site 17. Soil and groundwater sampling were preceded by soil immunoassays for PCBs across the site location. In all, 33 immunoassays were conducted onsite. Twenty-four immunoassays were conducted at SO-foot intervals across a 150-foot by 250-foot grid surveyed across the site. Four additional immunoassays were placed within the High-Voltage Yard in an area currently used to store transformers. An additional five immunoassays were later placed to verify findings of earlier tests.

Immunoassays were performed on surface soil samples collected at each location per Section 4.4 of the CSAP. Samples located on asphalt were collected through 6-inch diameter holes cored through the pavement. Surface soil samples were collected by hand auger from 0- to 1-foot below land surface (bls) beginning with the soil under the pavement. The immunoassays were conducted using a Millipore EnviroGuard PCB test kit/EnviroGuard Field Soil Lab combination, which allows parts per million (ppm) detection of Aroclors-1016, 1242, 1248, 1254, and 1260. Additional immunoassay samples were screened as necessary, based on the initial sampling. The immunoassay results were used to focus the placement of site soil borings and monitoring wells, with the concept being to place borings for CLP analyses in "hot" immunoassay locations.

Immunoassay Results

Table 5-1 details the Site 18 immunoassay tests and their results. Immunoassay results revealed PCBs up to 2 ppm at the site. Wells and borings were adjusted based on the presence of PCBs at 1 ppm or higher. Three locations along the southern fence of the High Voltage Yard, and two locations along the northern fence of the Scrap Yard revealed PCB concentrations greater than one ppm. A single location in the Goat Yard showed results greater than 1 ppm. Based on these results, the layout and number of soil borings and monitoring wells within the site area were adjusted from those in the original site-specific *SAP.* Two wells were added to the scope of work called for in the *SAP.* The number and arrangement of soil borings were also changed.

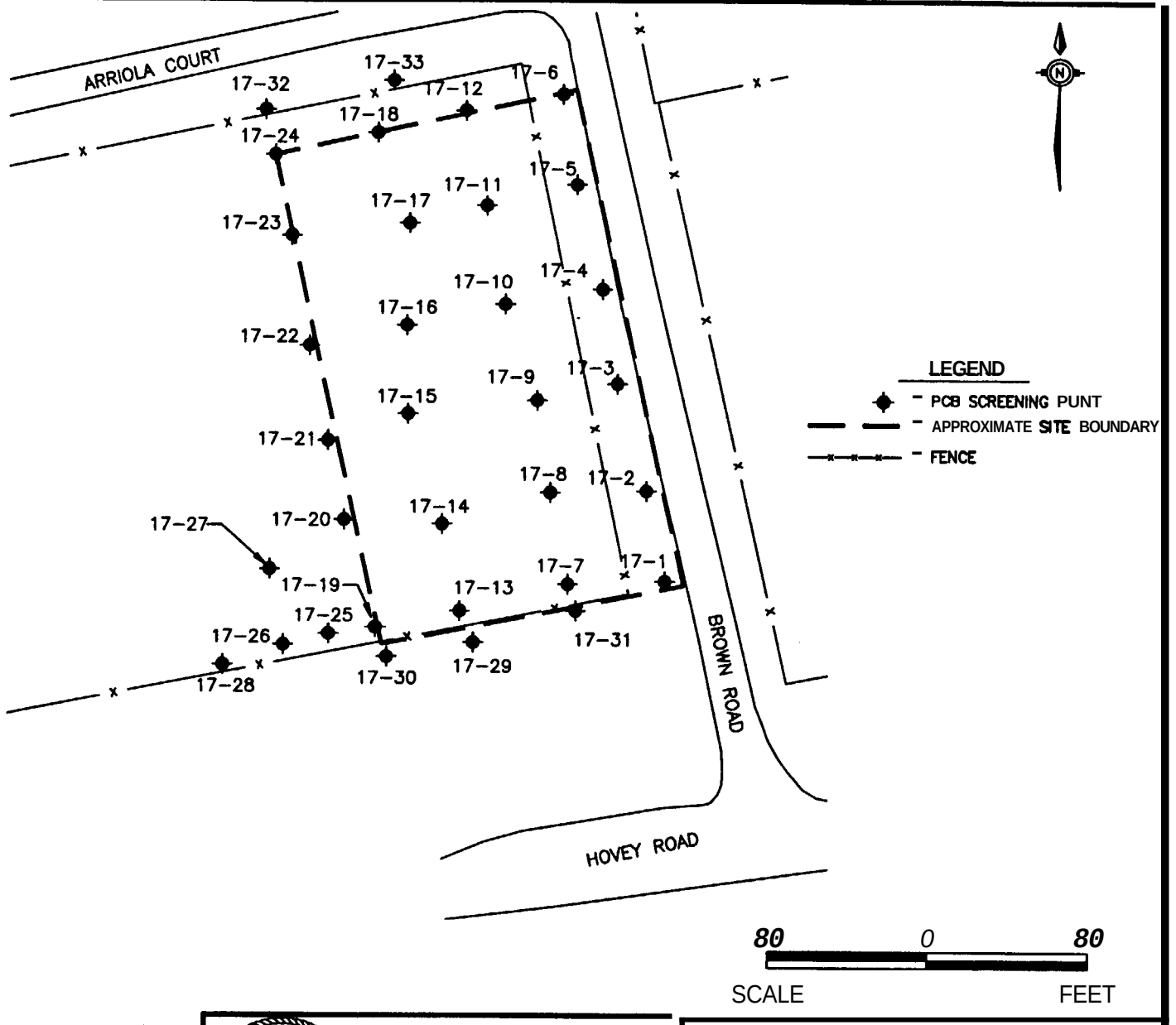

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FIGURE 5-1
PCB IMMUNOASSAY SCREENING LOCATIONS

DWG DATE: 06/21/96 | DWG NAME: 71S17PCB

Table 5-1
Site 17 PCB Immunoassay Tests

Test Location	Date Sampled	Test Results	Remarks
17-1	8/30/95	0 ppm	
17-2	8130195	0 ppm	
17-3	8/30/95	0 ppm	
17-4	8130195	0 ppm	
17-5	8130/95	0 ppm	
17-6	8130195	0 ppm	
17-7	8/30/95	1.59 ppm	Soil boring added.
17-8	8130195	0 ppm	
17-9	8/30/95	0 ppm	
17-10	8130195	0 ppm	
17-11	8130195	0 ppm	
17-12	8130195	0 ppm	
17-13	8/30/95	1.88 ppm	Soil boring added.
17-14	8130195	0 ppm	
17-15	8/31/95	2.0 ppm	Soil boring added.
17-16	8131/95	0 ppm	
17-17	8/31/95	0 ppm	
17-18	8/31/95	1.63 ppm	Soil boring added.
17-19	8/31/95	1.8 ppm	Soil boring added.
17-20	8131/95	0 ppm	
17-21	8/31/95	0 ppm	
17-22	8/31195	0 ppm	
17-23	8/31/95	0 ppm	
17-24	8/31/95	1.8 ppm	Soil boring added.
17-25	8/31/95	0 ppm	

Table 5-1
Site 17 PCB Immunoassay Tests

Test Location	Date Sampled	Test Results	Remarks
17-26	8/31/95	0 ppm	
17-27	8/31/95	0 ppm	
17-28	8/31/95	0 ppm	
17-29	9/7/95	0 ppm	
17-30	9/7/95	0 ppm	
17-31	9/7/95	0 ppm	
17-32	9/7/95	0 ppm	
17-33	9/7/95	1.8 ppm	

Note:
Test result concentrations estimated by *comparing* immunoassays to test kit batch calibrators.

Soil borings were added to the six highest PCB immunoassay locations. Additionally, the five borings specified by the *SAP* along the site's center were reduced to two borings.

Soil Boring and Sampling Methodology

Figure 5-2 details the Site 17 soil boring, monitoring well, and sediment sample locations. Table 5-2 details the Site 17 soil sampling. The field investigation included eight soil borings advanced through holes cored in the asphalt pavement covering the site. Hand-auger techniques were used as outlined in Section 4.4 of the *CSAP*. Samples were collected beginning with the soil underlying the pavement. Surface samples were collected from the 0- to 1-foot interval, and subsurface samples were collected from the subsequent 3- to 5-foot interval. Since soil saturation occurred at about five feet on Site 17, no intervals were sampled below this level. A total of 16 samples, plus one duplicate sample were collected for TAL/TCL during the Site 17 soil investigation.

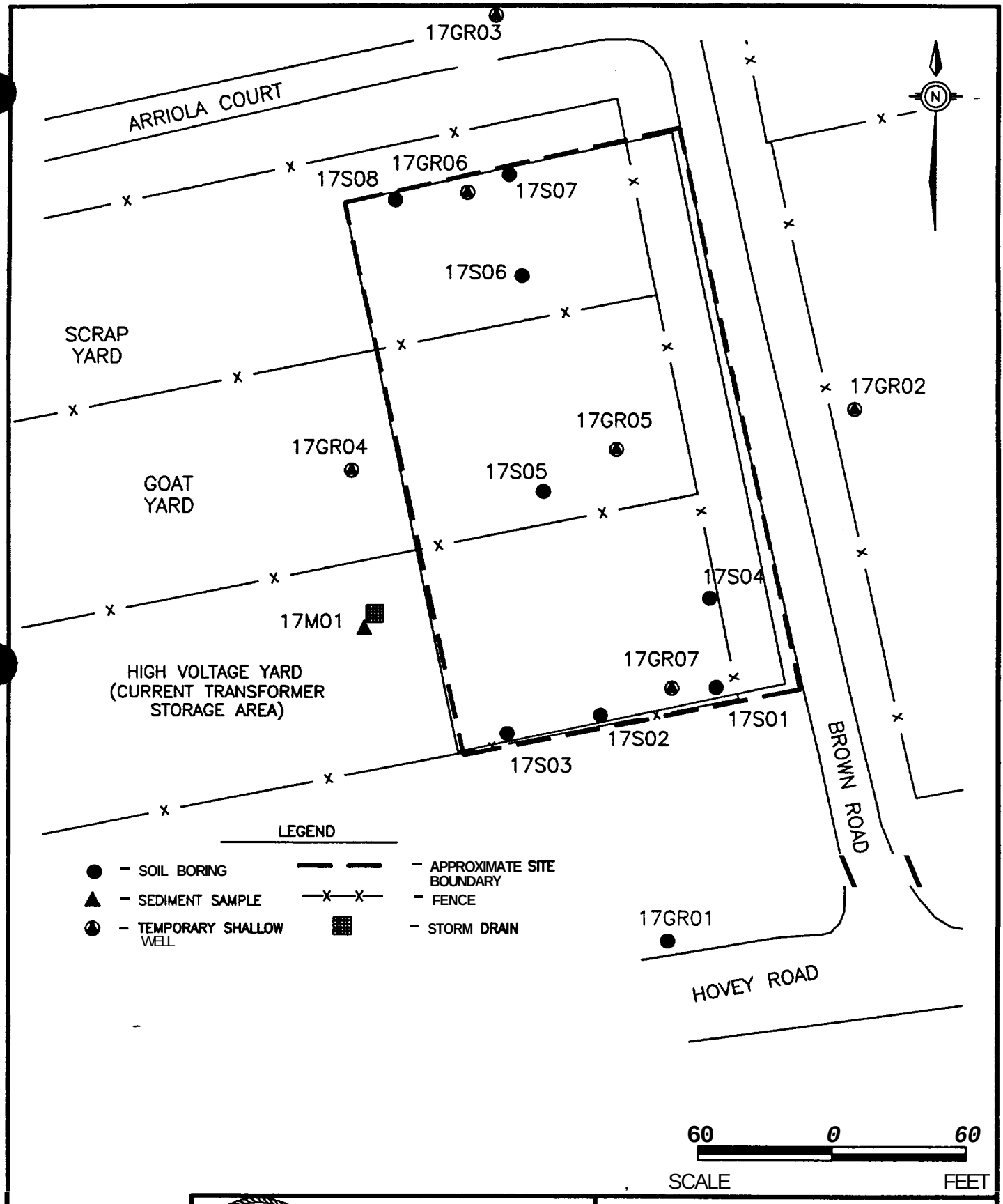

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FIGURE 5-2
SOIL BORING, MONITORING WELL, AND SEDIMENT SAMPLE LOCATIONS

DATE: 07/16/96 | DWG NAME: 71S17SBM

Table 5-2
Site 17 Soil Samples

Boring Location	Sample Identifier	Sample Interval	Remarks
17S01	017S000101 017S000105	0-1 ft. 3-5 ft.	Previous immunoassay point.
17S02	017S000201 017S000205	0-1 ft. 3-5 ft.	Previous immunoassay point.
17S03	017S000301 017S000305	0-1 ft. 3-5 ft.	Previous immunoassay point.
17S04	017S000401 017S000405	0-1 ft. 3-5 ft.	Per *SAP*.
17S05	017S000501 017S000505	0-1 ft. 3-5 ft.	previous immunoassay point.
17S06	017S000601 017S000605	0-1 ft. 3-5 ft.	Per *SAP*.
17S07	017S000701 017S000705 017C000705[a]	0-1 ft 3-5 ft.	Previous immunoassay point.
17S08	017S000801 017S000805	0-1 ft. 3-5 ft.	Previous immunoassay point.

Notes:
a = Duplicate Sample.
Soil samples collected 9/8/95.

Sediment Sampling

Table 5-3 outlines the Phase I sediment sampling. Per the site-specific *SAP*, a single sediment sample was collected from the westernmost storm drain within the High-Voltage Yard (Figure 5-2). The storm *grate* was removed, and a scoop sample was collected in accordance with procedures outlined in Section 7.2.3 of the *CSAP*. A single sample, with a duplicate were collected for TAL/TCL from this location.

Table 5-3
Site 17 Sediment Samples

Sampling Location	Sample Identifier	Remarks
17M01	017M000101 017N000101[a]	Sampled for TAL/TCL, GS, TOC

Note:
a = Duplicate Sample.
Sample collected 9/20/95.

5.1.2 Groundwater Monitoring

Temporary Monitoring Well Installation.

Table 5 4 details the construction details of the Site 17 temporary monitoring wells. Seven temporary wells were installed on Site 17 (Figure 5-2). Five wells were installed per the site-specific SAP. Two wells (17GR06 and 17GR07) were added based on immunoassay test results. Temporary wells were installed in accordance with procedures outlined in Section 5.3.3 of the CSAP. Hollow-stem auger procedures were used to advance well borings to the desired depths. Wells were completed with 2-inch stainless steel well risers attached to 5-foot stainless steel well screens. A sand filter pack was installed within the annular space between the borehole wall and the well riser to within about one foot bls. This was capped with a hydrated bentonite seal.

Table 5-4
Construction Details/Potentiometric Information
Site 17 Temporary Monitoring Wells

Well Location	Land Surface Elevation	Top of Casing Elevation	Total Depth	screened Interval	Depth to Water	Ground Water Elevation
17GR01	26.68	31.74	14.91	9.58-14.58	6.24	20.44
17GR02	26.53	31.62	14.90	9.57-14.57	5.98	20.55
17GR03	26.13	32.13	14.90	9.57 14.57	4.88	21.25

Table 5-4
Construction Details/Potentiometric Information
Site 17 Temporary Monitoring Wells

Well Location	Land surface Elevation	Top of casing Elevation	Total Depth	screened Interval	Depth to Water	Ground Water Elevation
17GR04	25.94	32.46	14.87	9.54-14.54	4.69	21.25
17GR05	26.09	32.44	14.90	9.57-14.57	5.23	20.86
17GR06			(Well destroyed prior to land survey)			
17GR07	26.13	32.65	14.82	9.49-14.49	5.35	20.78

Notes:
Land surface/top of casing/ground water elevations in feet/mean sea level.
Total depth/screened interval/depth to water in feet/below land surface.
The datum is mean sea level (North American Datum-89).
Depths to water measured 11/20/95.

Monitoring Well Development

Monitoring wells were developed in accordance with Section 5.4 of the *CSAP* using a centrifugal pump. Given that wells were shallow water table wells, and their construction was essentially the same as a permanent well (with the exception of a bentonite seal and grout column), these wells are considered capable of adequate development to deliver a valid water quality sample. Wells were developed until water was clear of measured turbidity.

Groundwater Sampling

Table 5-5 lists details for the Site 17 ground water sampling. The "quiescent" vacuum/transfer groundwater sampling method was used as outlined in Section 6.3 of the *CSAP*.

Table 5-5
Site 17 Groundwater Samples

Well Number	Sample Number	Date Sampled
17GR01	017GGR0101	9/15/95
17GR02	017GGR0201	9/15/95
17GR03	017GGR0301	9/15/95
17GR04	017GGR0401	9/15/95
17GR05	017GGR0501 017HGR0501[a]	9/15/95
17GR06	017GGR0601	9/18/95
17GR07	017GGR0701	9/18/95

Note:
a = Duplicate Sample.

5.2 Fieldwork and Sampling Protocols

Sample Handling and Management

Soil and groundwater samples were collected in accordance with the appropriate section of the CSAP. Clean plastic sheeting was placed at each sampling location to minimize the potential for sample contamination. Clean latex gloves were donned each time a new sample was collected. Decontaminated sampling devices were kept wrapped until the samples were collected. Samples were managed in accordance with Chapter 12 of the CSAP. Labeling, preservation, packing, chain-of-custody, and shipping carefully followed procedures in that section.

Quality Assurance/Quality Control Samples

Quality Assurance/Quality Control (QA/QC) samples, including blanks, matrix spikes (MS), and matrix spike duplicates (MSD), were collected in accordance with Chapter 15 of the CSAP.

Sample Containers and Preservation

All laboratory-provided containers were precleaned and certified as specified in Chapter 12 of the CSAP.

Field Data

Auxiliary field data pertinent to the investigation were collected in accqrdance with Chapter 14 of the CSAP.

Decontamination

All exploration and sampling equipment used in the field investigation was decontaminated in accordance with Chapter 11 of the CSAP.

Investigation-Derived Wastes

Wastes derived from the field investigation were handled in accordance with Chapter 13 of the *CSAP* and the *Investigation-Derived Waste Plan for NAS Pensacola* (E/A&H, 1994b).

5.3 Site *Area* Land Survey

The site immunoassay screening points, soil borings, sediment sampling point, and monitoring wells were surveyed by E/A&H personnel using Global Positioning System (GPS) surveying equipment, per Section 3.4 of the CSAP.

5.4 Site *Area* Hydrologic Investigation

A hydrologic investigation was conducted in accordance with Section 9.6 of the *CSAP*. Static water levels measured from each monitoring well were normalized to elevation data gathered during the GPS survey. These data were used to develop and analyze the piezometric surface across the site.

6.0 GEOLOGIC AND HYDROLOGIC RESULTS

6.1 Site Hydrogeological Setting

The stratigraphy across the Site 17 area is consistent with previous NAS Pensacola studies. All borings were limited to the uppermost portion of the surficial zone of the Sand-and-Gravel Aquifer (see Appendix A). Surface soil consists of fine- to medium-grained quartz sand, varying from white to gray in color. Subsurface soils were white to brown to dark-brown fine- to medium-grained quartz sand. Soil colors varied depending on the location within the site area. The water table was encountered at roughly 5 feet bls throughout the site. All borings were terminated at the water table; therefore, no information on deeper stratigraphy was collected. However, borings to the low permeability zone to the northeast at Site 1 indicated the presence of the clay layer at the base of the surficial zone at about 40 feet bls in this area of NAS Pensacola (E/A&H, 1996).

6.2 Water Level Elevations and Piezometric Results

Figure 6-1 displays the shallow surficial piezometric surface for Site 17. Water levels were measured from seven site temporary monitoring wells to define the piezometric surface for the site location. Groundwater elevations are listed in Section 5 of this report, along with other relevant monitoring well information. The groundwater elevation is roughly 21 feet msl at Site 17. Measurements generally indicate a southeasterly flow in the uppermost part of the surficial zone of the Sand-and-Gravel Aquifer in the site area. Groundwater generally flows toward the Intercoastal Waterway of Pensacola Bay.

Table 6-1 details the horizontal hydraulic gradients across the site. The horizontal hydraulic gradient is generally uniform, descending slightly from northwest to southeast across the area.

Piezometric data calculated for shallow monitoring wells at NAS Pensacola's Operable Unit 10 and Site 13 revealed the geometric mean for hydraulic conductivity at that site is 44.0 ft./day

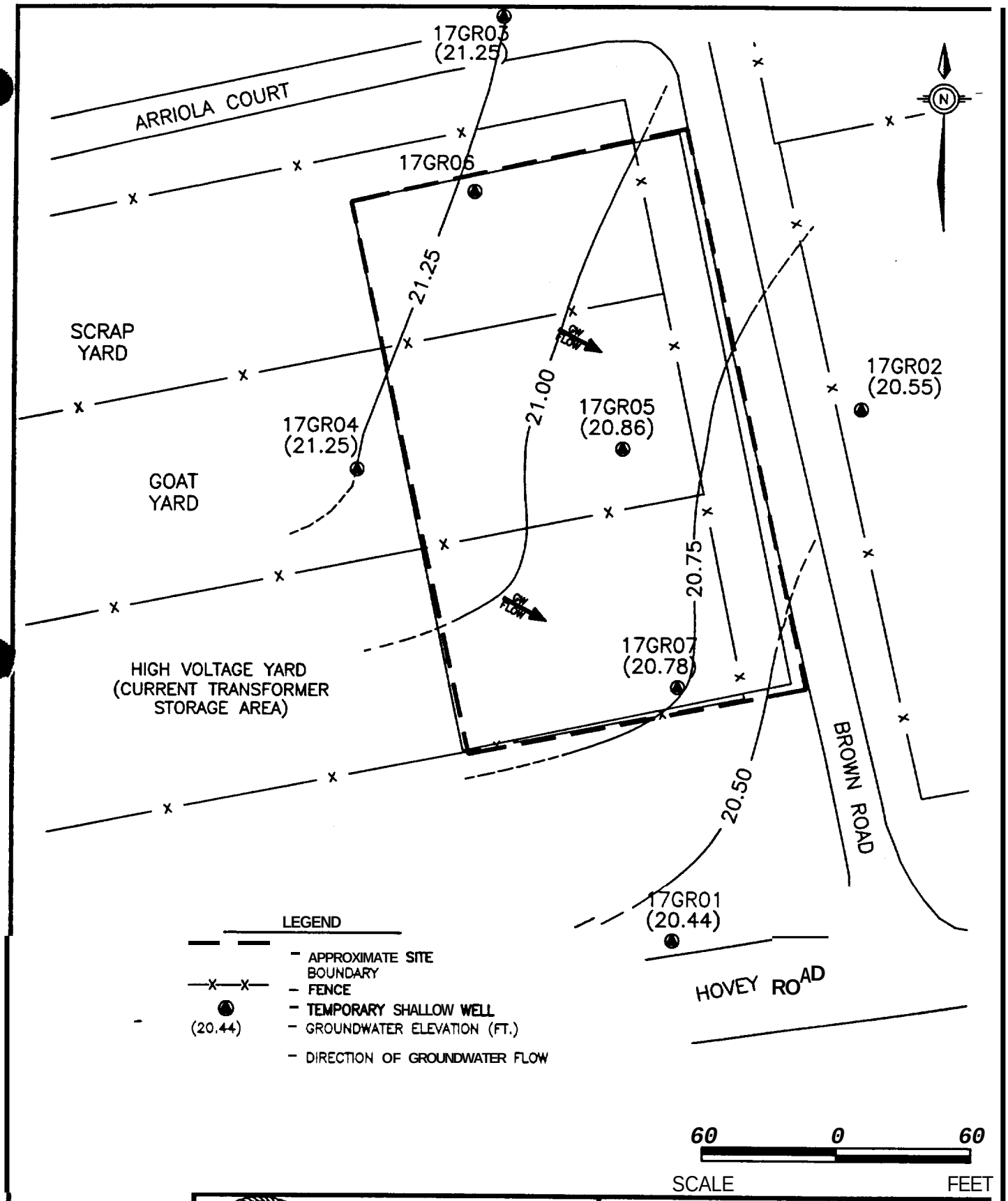

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FIGURE 6-1
SHALLOW SURFICIAL
PIEZOMETRIC SURFACE

DATE: 06/21/96 | DWG NAME: 71S17SSP

Table 6-1
Horizontal Hydraulic Gradients/Flow Velocities
Shallow Surficial Zone Groundwater
Site 17

Well Pair	Distance Between Wells (feet)	Difference Between Groundwater Elevations (feet)	Horizontal Hydraulic Gradient	Horizontal Flow Velocity (feet/day)
17GR03/17GR02	238.5	0.7	0.0029	0.5104
17GR04/17GR01	253.5	0.81	0.0032	0.4928

(E/A&H, 1995b). Given the proximity of this site and the lithologic similarity, this information is extrapolated for use at Site 17. An effective porosity of 0.25 was estimated for unconsolidated sand from Heath *(1989).* These data were used to calculate average groundwater flow velocities across the site area. The average groundwater velocity is calculated to be 0.5016 ft./day.

7.0 NATURE AND EXTENT OF CONTAMINATION

The sampling approach, methods, and sample locations for this investigation were discussed in Sections 5.1 through 5.3 of this report. The analytical results were compared to the following general and site-specific PRGs.

soil

- Risk-based concentrations (RBCs) soil ingestion scenario for residential soil (surface soil) and soil screening levels (SSLs) transfer scenario from soil to groundwater (subsurface soil) (USEPA, 1996a).

- Selected Cleanup Goals (CGs) residential scenario (surface soil)/leaching scenario (subsurface soil) (FDEP, 1995 and 1996a).

- USEPA, Office of Solid Waste and Emergency Response draft revised *Interim Soil Lead Guidance* (USEPA, 1994a).

- Title 40 Code of Federal Regulations (CFR) Part 761.125 Requirements for PCB Spill Cleanup (1988).

- USEPA, Office of Solid Waste and Emergency Response *Soil Screening Guidance* (USEPA, 1994b).

Sediment

- Sediment Screening Values (SSVs) (USEPA, 1995).

- Sediment Quality Assessment Guidelines, Threshold Effects Levels (TELs) (FDEP, 1994a).

Groundwater

- USEPA Maximum Contaminant Levels and Secondary Maximum Contaminant Levels (SMCLs) (USEPA 1996b).

- Florida Primary/Secondary Drinking Water Standards (FPDWS/FSDWS) and Florida Groundwater Guidance Concentrations (FDEP 1994b).

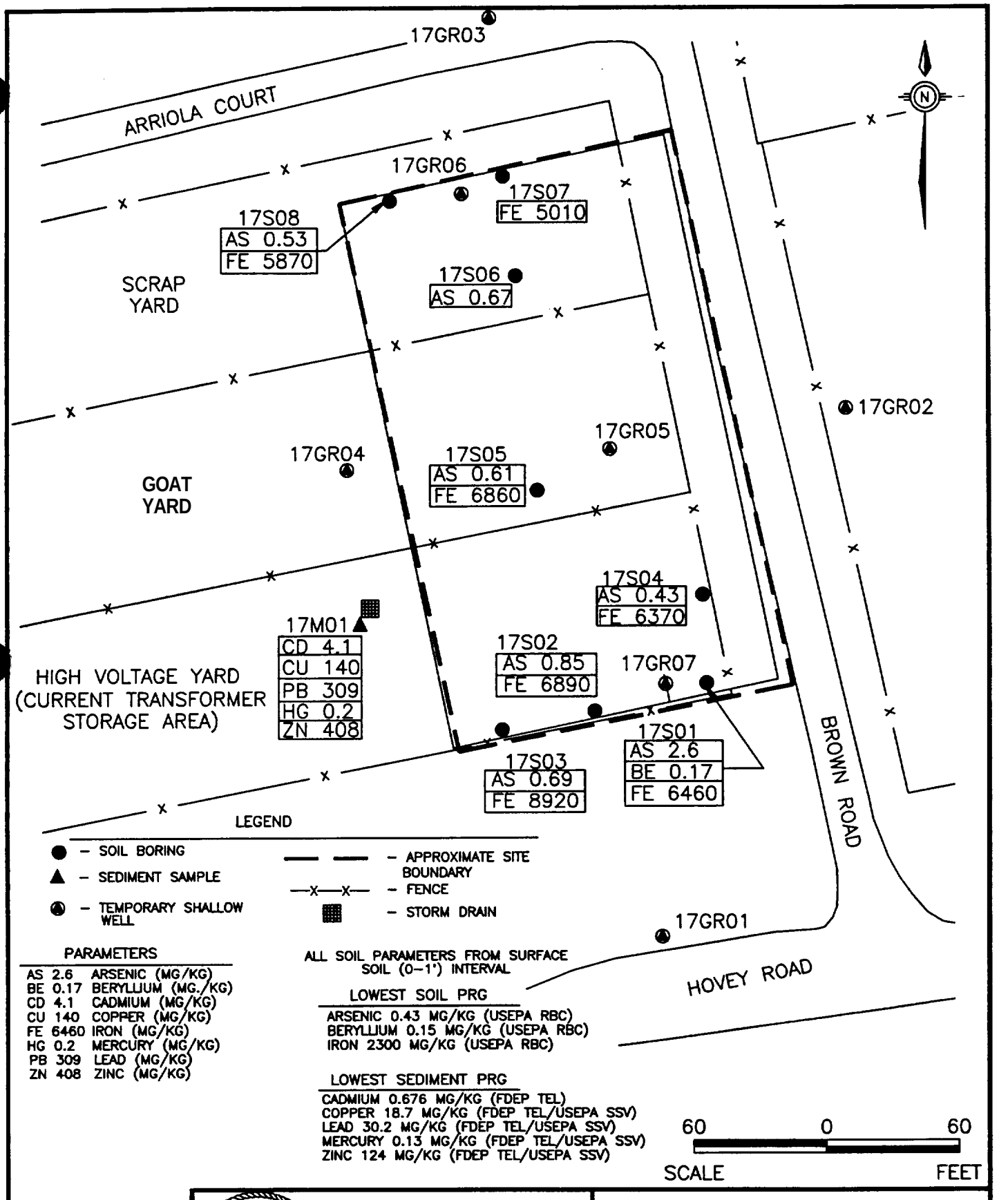
In addition to the PRGs, soil and groundwater inorganics results were compared to NAS Pensacola-specific reference concentrations developed by the Navy during the Site 1 investigation. These are equal to two times the detected mean for any given parameter (E/A&H, 1996).

The soil, sediment, and groundwater PRGs are listed in Appendix B. Sample values exceeding PRGS, to include a reference concentration comparison where applicable, are tabulated in Appendix C. A tabulated summary of validated analytical data is in Appendix D. Additionally, this section's maps illustrate the distribution of inorganic and organic soil, sediment, and groundwater contamination (referring to constituents exceeding PRGs) within the area of investigation. These figures display the highest concentration between samples where applicable. For the soil contamination assessment, surface soil is defined as the 0- to 1-foot bls, while subsurface soil is defined as the interval from 1-foot bls to the water table.

7.1 Soil/Sediment Contamination Assessment

Inorganics

Figure 7-1 illustrates Site 17 inorganics detected above PRGs in soil and sediment samples. Several parameters were detected above their respective PRGs in surface soil at Site 17. Metals exceeding PRGs included arsenic, beryllium, and iron. Arsenic (0.43 to 2.6 milligrams per kilogram [mg/kg]) above the RBC and/or CG was detected at seven of eight boring locations. Iron (5,010 to 8,920 mg/kg) above the RBC was also detected in all but one boring. Boring 17S01 also contained beryllium (0.17 mg/kg) above standards.



REMEDIAL INVESTIGATION REPORT
SITE 17
NAS PENSACOLA

FIGURE 7–1
INORGANICS ABOVE PRELIMINARY REMEDIATION GOALS IN SOIL/SEDIMENT SAMPLES

DATE: 06/21/96 | DWG NAME: 71S17IAP

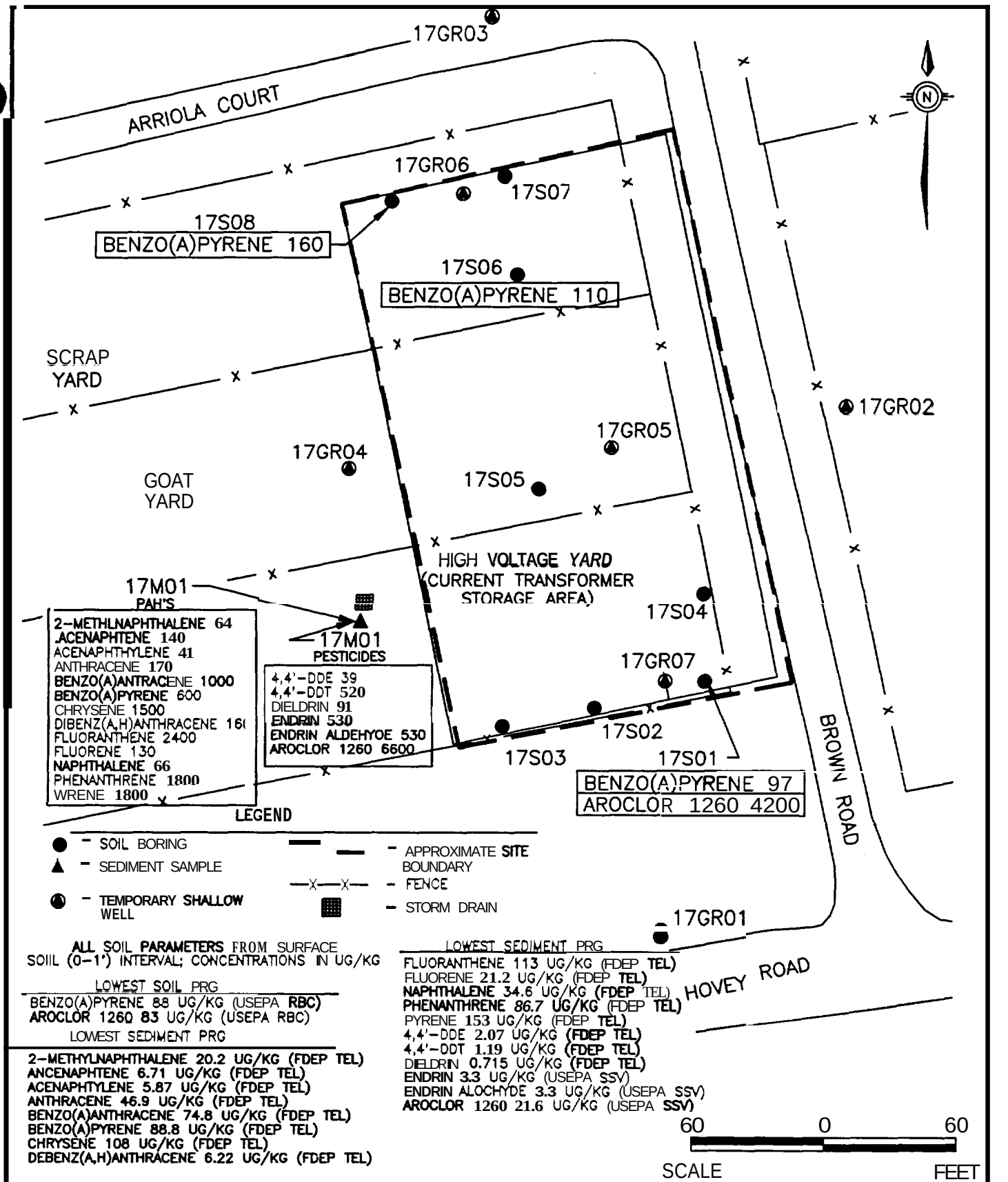
The NAS Pensacola soil reference concentration for arsenic (1.56 mglkg) exceeds both RBC and CG. All but one of the surface soil arsenic concentrations that exceeded PRGs remained below the NASP reference level for arsenic. The NAS Pensacola soil reference concentration for beryllium (0.41 mg/kg) also exceeds PRGs. As with arsenic, the beryllium at boring 17S01 was above the PRG, but below the reference level.

The single sediment sample contained cadmium (4.1 mg/kg), copper (140 mg/kg), lead (309 mg/kg), mercury (0.2 mg/kg), and zinc (408 mg/kg) above the USEPA SSV and/or FDEP TEL.

Organics

Figure 7-2 illustrates Site 17 organics detected above PRGS in soil and sediment samples. Surface soils at two borings (17S06 and 17S08) in the Scrap Yard, as well as one boring in the High-Voltage Yard (17S01) contained the polycyclic aromatic hydrocarbon (PAH) benzo(a)pyrene (97 to 160 micrograms per kilogram [µg/kg]) above the RBC. Boring 17S01, advanced in an area where electrical transformers are currently stored, also contained the PCB Aroclor-1260 (4,200 µg/kg) above the RBC, CG, 40 CFR 761.125 standards, and soil screening guidelines.

The storm drain sediment sample (17M01) contained numerous PAHs above the FDEP TEL. These included 2-methylnaphthalene (64 µg/kg), acenaphthene (140 µg/kg), acenaphthylene (41 µg/kg), anthracene (170 µg/kg), benzo(a)anthracene (1,000 µg/kg), benzo(a)pyrene (600 µg/kg), chrysene (1,500 µg/kg), dibenz(a,h)anthracene (160 µg/kg), fluoranthene (2,400 µg/kg), fluorene (130 µg/kg), naphthalene (66 µg/kg), phenanthrene (1,800 µg/kg), and pyrene (1,800 µg/kg). The pesticides 4,4'-DDE (39 µg/kg), 4,4'-DDT (520 µg/kg), dieldrin (91 µg/kg), endrin (530 µg/kg), and endrin aldehyde (530 µg/kg), were also present above USEPA and/or FDEP standards, as well as the PCB Aroclor-1260 (6,600 µg/kg).



REMEDIAL INVESTIGATION REPORT
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FIGURE 7-2
ORGANICS ABOVE PRELIMINARY REMEDIATION GOALS IN SOIL/SEDIMENT SAMPLES

DATE: 06/25/96 | DWG NAME: 71S17OAP

7.2 Groundwater Contamination Assessment

Figure 7-3 maps inorganics detected above PRGs in Site 17 groundwater samples. Aluminum (94.6 to 336 micrograms per liter [μg/L]) was the only inorganic constituent above PRGs in Site 17 groundwater samples, exceeding the SMCUFSDWS in all seven groundwater samples. No organic parameters were detected in site groundwater.

7.3 *Summary* and Conclusions

Arsenic and iron exceeded applicable PRGs in most site surface soil samples, along with an isolated beryllium concentration above standards. However, none of these parameters appeared in site groundwater samples, indicating no leaching of inorganic parameters to groundwater is occurring onsite. Although below PRGs in soil, aluminum above secondary drinking water standards was present in all shallow groundwater samples.

Historical site use involved a good deal of vehicular traffic; therefore the surface soil benzo(a)pyrene concentrations above standards at borings 17S01, 17S06, and 17S08 may have originated from residual petroleum products dripped from vehicles or machinery stored near these sampling locations. Additionally, since borings 17S06 and 17S08 were collected from soil underlying asphalt pavement, the PAH constituent may have also originated from the asphalt. At any rate, the concentration and distribution of benzo(a)pyrene does not illustrate a significant source of contamination on this site. This is particularly true given that the site is paved and these constituents were not detected in groundwater.

Surface soil PCB contamination is limited to the High-Voltage Yard, in the southern portion of the site. This portion of the site is controlled by the PWC High Voltage Shop, and is used to store equipment and materials associated with electrical utilities, including transformers. The northern portions of the site area (Goat/Scrap Yards) are used for different purposes, and are controlled by the PWC Tool Room. Assuming historical use is consistent with this, it may

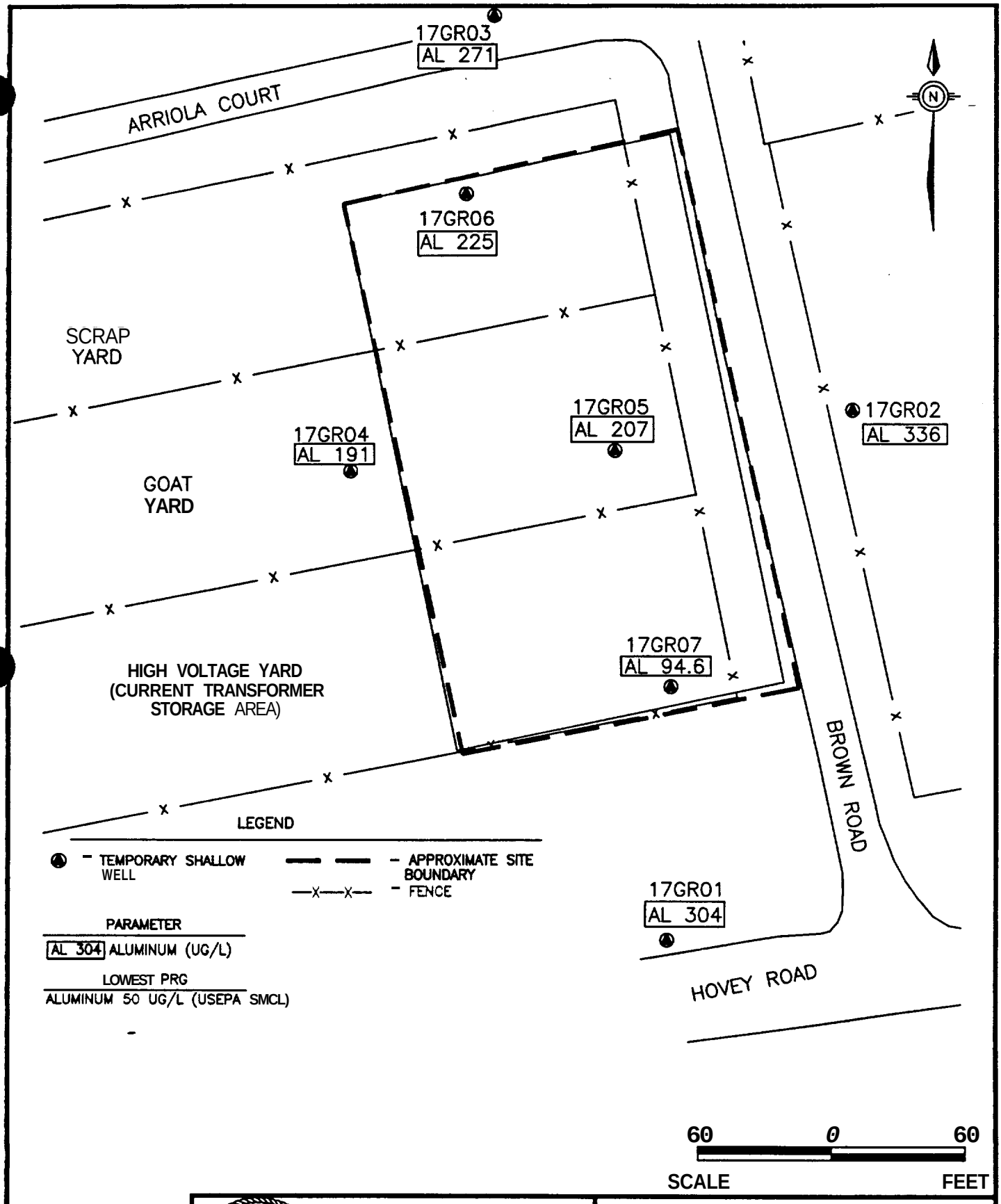

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FIGURE 7-3
INORGANICS ABOVE PRELIMINARY REMEDIATION GOALS IN GROUNDWATER SAMPLES

DATE: 06/17/96 | DWG NAME: 71S17RGG

explain the lack of PCB contamination in the northern two-thirds of the site. Overall, of most concern on this site is the presence of PCBs above PRGs in surface soil. Additional evaluation of this and its implications are contained in the risk evaluation for the site (Section 10).

Sediments collected from the storm sewer manhole on Site 17 contained numerous metals, pesticides, PAHs, and Aroclor-1260 above PRGs. The storm sewer manhole at Site 17 is likely acting as a sink for parameters washed into the sewer during storm events.

8.0 DATA VALIDATION

Data validation, a systematic and independent verification of data quality, is performed independent of the laboratory. It requires defined acceptable criteria to provide assurance that the data are adequate for the intended use. The certification process consists of data screening, checking, verification, and flagging. Field and analytical data from the remedial investigation of Site 17 were validated by Heartland Environmental Services. The purpose was to verify satisfaction of QC requirements for the Site 17 data and to characterize any questionable findings.

Sixteen soil samples, eight water samples, and one sediment sample were collected at Site 17 from September 8 through 20, 1995. Samples were submitted to Savannah Laboratories, Savannah, Georgia and were reported using NEESA Data Quality Objectives (DQO) Level D (USEPA DQO Level IV) protocols. All samples were received by the laboratory in good condition and with the proper custody documents and seals intact. The samples were reported in three sample delivery groups (SDGs): ENP09, ENP10, and ENP12. The analytical protocols were performed in accordance with the following guidance documents:

- USEPA Contract Laboratory Program, *Statement of Work (SOW) for Organic Analyses, OLM01.0 (CLP 3/90)* (USEPA, 1990a).

- USEPA Contract Laboratory Program, *SOW for Inorganic Analyses, ILM03.0 (CLP 3/90)* (USEPA, 1990b).

- USEPA *Superfund Analytical Methods* for *Low Concentration Water for Organics Analysis (10/92)* (USEPA, 1992).

- NEESA Level D QA/QC guidelines as stated in: *Sampling and Chemical Analysis Quality Assurance Requirements for the Navy Installation and Restoration Program (NEESA 20.2-047B)* (NEESA, 1988).

- Data validation was performed in using the following documents: *USEPA CLP National Functional Guidelines for Organic Data Review,* (Organic Functional Guidelines [OFGs]) (USEPA, 1991b), and *USEPA CLP National Functional Guidelines for Inorganic Data Review,* (EPA-540/R-94/013) (Inorganic Functional Guidelines [IFGs]) (USEPA, 1994c).

8.1 Organic Analysis

8.1.1 Holding Times

All samples were received by the laboratory in good condition with the proper custody documents and seals intact. From the date of collection to the date of sample analysis, sample holding times were within method and contractual requirements.

8.1.2 Calibration

All QC criteria for pesticide instrument performance and volatile and semivolatile gas chromatograph/mass spectrometer tuning were met in every SDG. Target compounds were outside calibration QC criteria in every SDG. However, QC deficiencies represented common laboratory practices, occurring at rates consistent with correctly calibrated instruments. Sample results were qualified for any calibration outliers per the OFGs.

8.1.3 Blanks

Blank results are used to determine the presence and magnitude of any contamination problems. Accordingly, a sample result should not be considered positive unless the concentration of the compound in the sample exceeds five times the amount in any associated blank. Methylene chloride and bis(2-ethylhexyl)phthalate were detected in blanks associated with the investigation of Site 17. These compounds are considered common laboratory artifacts and were qualified

as recommended by the OFGs. Since action levels (10 times the amount found in associated method blanks) reflect the highest concentration of any laboratory artifact found in a blank, results for common laboratory artifacts were not reported unless these levels were exceeded.

The pesticide fraction of SDG ENP12 had some minor blank contamination. Endrin was reported in the method blank associated with this SDG. Since endrin is not considered a common laboratory artifact, an action level was set at five times the amount found in the blank. Associated sample results were qualified accordingly.

8.1.4 Matrix Spikes

The methods used to analyze environmental samples have variations in the reported resulting from random differences in the handling and analysis of that matrix. These variations are referred to as the precision or the reproducibility of results. To demonstrate reproducibility, the CLP SOW specifies the addition of known quantities of several compounds to two separate aliquots of each sample matrix type. The spiked aliquots are referred to as the matrix spike (MS) and the matrix spike duplicate (MSD). These samples *can* then be analyzed by applying the same preparation techniques and analytical methods used for all the samples of similar matrix types. The MS and MSD are used to detect matrix effects caused by contaminants during sample analysis which interfere with the compounds of interest within the sample. All fractions of these SDGs met MS/MSD QC criteria.

8.1.5 Surrogates

Accuracy is the degree to which a given result agrees with the true value. To check the accuracy in a volatile, semivolatile, and pesticide analysis, the CLP SOW requires the addition of known amounts of surrogate compounds or compounds that are not likely to be found in the actual samples. If percent surrogate recoveries are close to the known concentrations as defined within the limits set by the CLP, the reported target compound concentrations are assumed to be accurate.

All samples in semivolatile fraction of SDG ENP09 were reextracted and reanalyzed because the surrogate compounds were not added to the original sample extracts. The results from the second extraction were reported. Other fractions/SDGs contained samples that were qualified due to noncompliant surrogate recoveries.

8.1.6 Internal Standards

Gas chromatograph/mass spectrophotometer internal standards (IS) are added to samples to check the stability of the instrument's sensitivity and response during each analytical run. IS area counts for samples and blanks must not vary more than a factor of two (-50% to +100%) from the associated calibration standard. One sample in the semivolatile fraction of SDG ENP10 and three samples in the volatile fraction of SDG ENP09 were qualified due to low IS recoveries.

8.1.7 Field Duplicates

Duplicate samples indicate overall field and laboratory precision. A greater variance should be expected for soil sample duplicates compared to those for water due to the differences in matrix. In all cases, duplicate results were found to be within QC criteria.

8.2 Inorganic Analysis

8.2.1 Holding Times

All technical and contractual holding times were found to be within QC requirements.

8.2.2 Calibration

Calibration ensures that the instrument is capable of acceptable and quantitative performance at the beginning of and throughout each analytical run. Initial and continuing calibrations were performed for the analysis of inorganics within the criteria established by the USEPA CLP Inorganics SOW.

8.2.3 Blanks

As to be expected, contamination occurred in the blanks of every SDG. Action levels were set for each affected element and sample results qualified per the IFGs.

8.2.4 Inductive Coupled Plasma Interference Check Sample Analysis

Inductive Coupled Plasma (ICP) analysis is performed to check the instrument and the background correction factors. An ICP analysis was performed for each SDG without any indication of interferences.

8.2.5 ICP Serial Dilutions

ICP serial dilutions assess the presence or absence of matrix interference. One sample from each set of similar matrix types is diluted by a factor of five. For analyte concentrations having a factor of at least 100 times the instrument detection limit, the measured concentrations of the undiluted sample and of the diluted sample should agree within 10%. All sample results for SDGs ENP09 and ENP10 were qualified for analytes that did not meet the serial dilution QC criteria.

8.2.6 Laboratory Control Sample Analysis

The Laboratory Control Sample (LCS) analysis monitors efficiency of the overall performance in all steps of analysis, including the digestion procedures. LCS analyses and results were within QC requirements for every SDG.

8.2.7 Laboratory Duplicates/Spikes

Laboratory duplicate samples are used to determine the precision of analytical methods for each parameter. Laboratory spike samples are designed to provide information about the effects of the sample matrix on the digestion and measurement methodology. All sample results in this SDG were qualified for several analytes that did not meet the Laboratory Duplicate and Spike QC criteria.

8.2.8 Field Duplicates

In all cases, the duplicate results were found to be acceptable.

8.3 Completeness

Completeness is the percentage of measurements that are judged to be valid. All of the Site 17 samples analyzed were determined to be valid with some qualification, except for the results flagged "UR." Out of 4,112 unique sample results, only 129 were flagged UR, representing 97% completeness. No positive results were rejected, and the data met the 90% completeness goal.

8.4 Comparability

Comparability is a qualitative parameter expressing the confidence by which one data set is compared to another. Comparability is assured through the use of established field sampling methods and by using specified by USEPA laboratory protocols. All samples for Site 17 were collected using the USEPA Region IV standard operating procedures and analyzed according to CLP SOW protocol.

8.5 Conclusion

Except for some sample results qualified as unusable, the overall data quality for the analytical work done for Site 17 was considered satisfactory and usable for site remediation and risk assessment. The Data Validation Reports submitted by Heartland for Site 17 will be provided upon request or otherwise will become a part of the NAS Pensacola Site 17 Final Report Reference File.

9.0 CONTAMINANT FATE AND TRANSPORT

9.1 Extent of Contamination

Parameters identified in site soil included metals, a high molecular weight PAH, and the PCB Aroclor-1260. Surface soil metals above PRGs included arsenic, beryllium, and iron. The PAH benzo(a)pyrene and the PCB Aroclor-1260 were also present above PRGs in surface soil.

Storm sewer sediments included metals, pesticides, Aroclor-1260, and low and high molecular weight PAHs. Cadmium, copper, lead, mercury, and zinc were found above sediment PRGs. PAHs above PRGs included 2-methylnaphthalene, acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluorene, naphthalene, phenanthrene, and pyrene. Pesticides above standards were 4,4'-DDE, 4,4'-DDT, dieldrin, endrin, and endrin aldehyde. The PCB Aroclor-1260 was also present above PRGs.

9.2 Contaminant Migration

Leaching of Soil Constituents to Groundwater

Soil constituents may leach to groundwater primarily by downward percolation of rainwater. The absence of most analyzed-for parameters in groundwater indicates that partitioning of constituents from soil to groundwater is unsubstantial. Soil within the site area is very permeable, resulting in quick infiltration and minimal contact time between percolating water and soil above the water table. *Also,* much of the site is covered by asphalt, which limits percolation, causing precipitation to pool and evaporate or run off via onsite storm drains.

All site groundwater samples contained aluminum above PRGs. No organic constituents were found in site groundwater samples.

Surface Water Transport

The site is surrounded by grassy and open patches of soil, as well as impervious surfaces, which affect the transport of surface water in different ways. Much of Site 17 is covered by asphalt,

on which precipitation either pools and evaporates, or is directed toward two storm sewer manholes in the site's southern portion. Rainwater collecting on turf or exposed soil percolates to the water table.

Groundwater Transport .

Groundwater flows toward the southeast at Site 17 at an average calculated velocity of 0.5016 ft./day. The Intercoastal Waterway of Pensacola Bay is about 2,750 feet south of the site. Assuming advective transport only for groundwater PRG exceedances, equal to the rate of groundwater flow, travel time for constituents to the bay would be about 15 years. This very conservative determination does not account for dispersion or retardation of parameters while enroute toward the bay.

9.3 Current and Potential Receptors

The current and potential receptor for site PRG exceedances in groundwater is the Intercoastal Waterway and Pensacola Bay. No wetlands exist in the site's vicinity. Potential impacts to the bay will be further addressed in the investigation for Site 42 — Pensacola Bay.

10.0 RISK THRESHOLD EVALUATION

Surface soil Aroclor-1260 concentrations at Site 17 exceeded PRGs at one soil boring (17S01), located in the southeast comer of the site. Three other borings (17S02, 17S03, 17S04) located near 17S01 produced surface soil samples with detected Aroclor-1260 below PRGs. All of these borings were located within the High Voltage Yard, a fenced compound within the Site 17 area where transformers are currently stored. PCBs were not found elsewhere in the Site 17 area, as confirmed by immunoassay analyses, and TCL soil sample results. Due to the localized concentrations above PRGs, it was decided by Tier One agreement that a full baseline risk assessment was unnecessary for Site 17.

10.1 *Area* Weighted Analysis

Because a person would not be expected to spend all of his/her time onsite in exactly one spot, a simulation of potential PCB exposure was made based on the assumption of uniform exposure to all surface soils within the investigative area. An estimate of the potential chronic Aroclor-1260 exposure concentration was calculated for Site 17 by computing the area weighted average concentration for the whole site. Accordingly, the site was divided by estimating the affected area around each soil boring where Aroclor-1260 was detected. The surface soil Aroclor-1260 concentrations reported at these locations were used to approximate the average concentration within each estimated affected subarea. Since Site 17 had several borings where PCBs were not detected, ½ the Contract Required Quantitation Limit (CRQL) for Aroclor-1260 was used to approximate the average concentration in the unaffected subarea.

The area weighted average was calculated using the following equation:

$$[T] = (A/T)([A]) + (B/T)([B]) + (C/T)([C]) + (D/T)([D]) \ldots + \ldots (Z/T)([Z])$$

where:

- **A, B, C, D,** represent the subarea (ft.²) affected by each Aroclor-1260 concentration, estimated for each boring location where Aroclor-1260 was present.

- **Z** equals the total unaffected area of site (ft.²) where Aroclor-1260 was not detected.

- T equals the total area of the site (ft.²).

- **[A], [B], [C], [D],** depict the Aroclor-1260 concentration (mg/kg) per each affected area.

- [Z] represents Aroclor-1260 concentration (mg/kg) assumed for the unaffected area of the site. For Site 17, ½ the **CRQL** for Aroclor-1260 (.015 mg/kg) was used for this comparison.

- [T] equals the area weighted average (mg/kg) for Aroclor-1260 for the site.

10.2 Discussion

Figure 10-1 diagrams the site apportionment used to compute the area weighted average Aroclor-1260 concentrations for Site 17. Table 10-1 details the values calculated for the Site 17 area weighted analysis. To obtain the total area weighted average for the site, area weighted concentrations calculated for both affected and unaffected areas were summed. This mean total value was compared to the most stringent **40 CFR** 761.125 standard, which details requirements for decontaminating **PCB** spills in non-restricted access (residential) areas **(USEPA,** 1988), as well as those spelled out in the **USEPA** ***Soil Screening Guidance*** (1994b). The first document outlines the Toxic Substance Control Act **PCB** decontamination requirement, which for residential scenarios states soil will be decontaminated *to* 10 mg/kg by weight, provided 10 inches are excavated and replaced with clean soil containing less than 1 mg/kg of **PCBs.** The second document states a surface soil **PRG** of 1 mg/kg for PCBs. These values are ostensibly based on potential risk to human receptors.

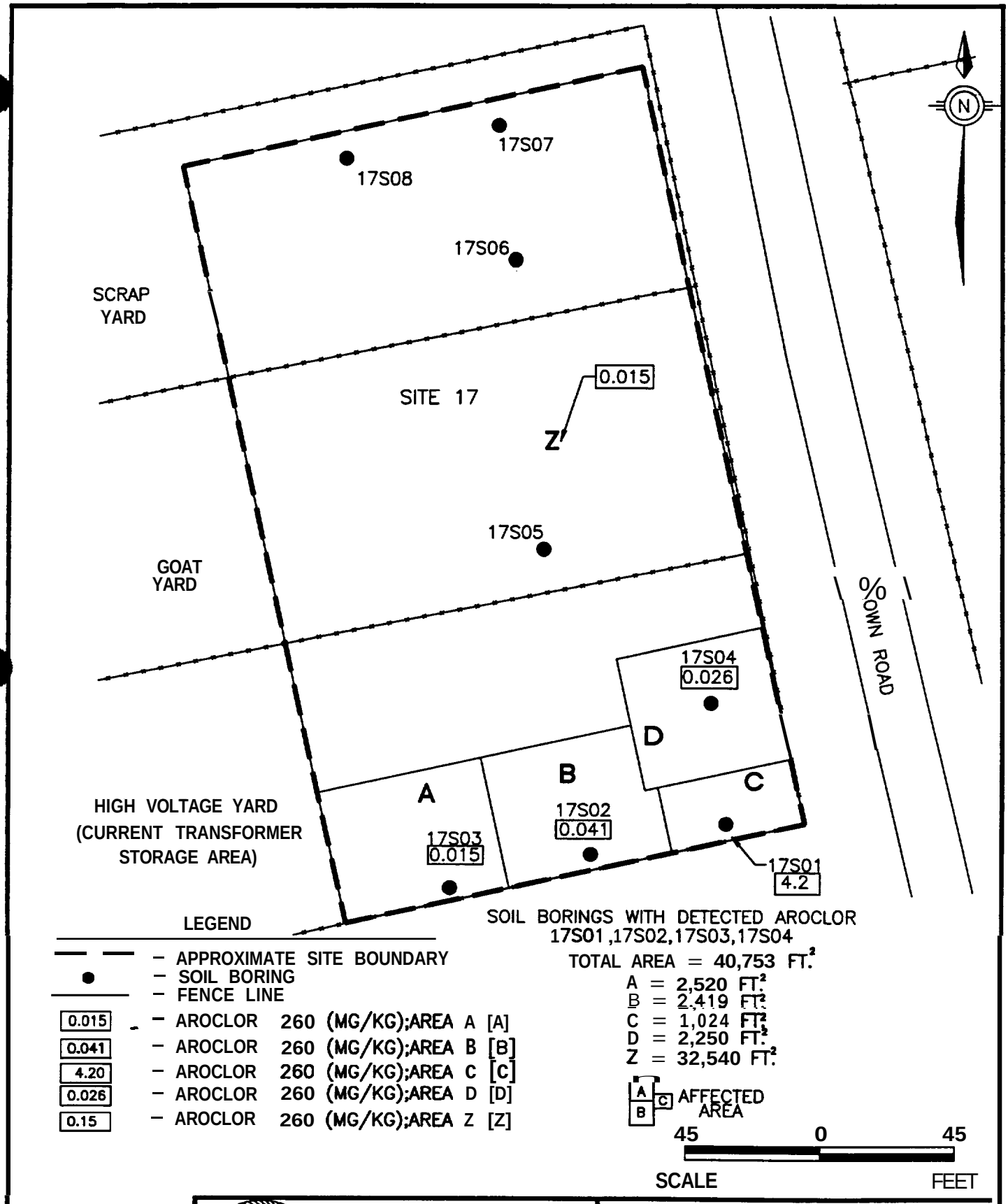

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FIGURE 10–1
PCB THRESHOLD ANALYSIS DIAGRAM

DWG DATE: 07/17/96 | DWG NAME: 71S17TAD

Table 10-1
Site 17 Area Weighted
Analysis Values

Area Identifier	Ft.^{2}	Aroclor-1260 Concentration (mg/kg)	Area Weighted Concentration (mg/kg)	Remarks
A	2,520	0.015	0.0010	Boring 17S03
B	2,419	0.041	0.0024	Boring 17S02
C	1,024	4.20	0.1055	Boring 17S01
D	2,250	0.026	0.0014	Boring 17S04
Z	32,540	0.015	0.0120	Unaffected Area
T	40,753	NA	0.1209	Total Site Area

Note:
NA = Not Applicable.

The area weighted analysis results show the estimated weighted average (mean concentration) for the site as 0.1209 mg/kg. This concentration is well below the USEPA action level for Aroclor-1260.

10.3 Conclusion

Although one surface soil Aroclor-1260 concentration was identified above PRGs in a single subarea at Site 17, using weighted averaging shows that the site overall is below required action levels under 40 CFR 761.125 and USEPA (1994b) guidance. Based on Tier One agrcernent, consideration was given to FDEP's concern for the surface soil PCB exceedance at boring 17S01. Weighted averaging indicates that no area exceeded the residential CG for PCBs. Analysis of current and historical land use of Site 17 revealed that the site has always had an industrial use, and it can be reasonably anticipated that this use won't change to residential. (FDEP 1995).

11.0 CONCLUSIONS AND RECOMMENDATIONS

Historical records indicate that Site 17 was an open storage area for 200-300 transformers, some of which contained PCB laden oils. No deliberate disposal of PCB oils occurred onsite, however, leakage was suspected from the transformers stored there. Contamination was suspected within the storage yard, with possible contamination of unpaved areas outside of the fence line.

Consideration was given toward the use of the Site 17 area. Section 2 describes the site and its history. Section 4 discusses preliminary surveys and the aerial photo analyses that reveal the site has existed largely unchanged for more than 30 years. It would be reasonable to assume that Site 17 will remain an industrial storage area into the future.

Stratigraphy across the site area is consistent with previous NAS Pensacola studies. Soils consist of fine- to medium-grained quartz sand, with surface soil being white to gray in color, and subsurface soils white to-brown to-dark brown. Soil colors varied between locations within the site area. The water table was encountered at roughly 5-feet bls throughout the site.

Arsenic and iron exceeded applicable PRGs throughout site soils, along with an isolated beryllium concentration above standards. However, these parameters did not appear above standards in site groundwater samples, indicating no inorganic constituents are leaching to groundwater. The surface soil PAH concentration at boring 17S01 was collected from an unpaved vehicle storage area in the High-Voltage Yard, and may have originated from residual petroleum products dripped from the machinery stored there. Likewise, boring 17S08 was collected from a vehicle storage cubicle in the Scrap Yard, and the PAH contamination probably originated from residual petroleum products or from the asphalt pavement in the cubicle. The PAH concentration at boring 17S06 may have originated from scrap machinery periodically stored over this location, or from the overlying asphalt pavement. At any rate, the concentration and distribution of PAHs do not indicate this as a significant problem on this site. The presence

of PCB contamination poses more concern and is addressed herein. No organics above PRGs were found in site groundwater, therefore leaching of this constituent is of no concern at Site 17.

Aroclor-1260 is present above PRGs in surface soil at a single boring location. A threshold analysis was performed, considering the total area-weighted average for this parameter across the site. The results showed that the area-weighted concentration was well below the action level cited in USEPA's Soil Screening Guidance (1994b) for residential scenarios. It also falls below 40 CFR 761.125 requirements for decontaminating spills in nonrestricted areas. Analysis of current and historical land use of Site 17 revealed that the site has always had an industrial use, and it can be reasonably anticipated that this use won't change. Hence, the concentration at 17S01 was compared to twice the industrial CG for PCBs, as requested by FDEP. The comparison revealed that the surface soil PCB concentration at 17S01 is under two-times the respective CG. Therefore, no recommendation is made to remove the affected area, but to limit potential exposure through land use restrictions.

Aluminum above secondary drinking water standards was found throughout site shallow groundwater, consistent with the general quality of groundwater at NAS Pensacola and the Sand-and-Gravel aquifer in southern Escambia County. No other inorganic/organic parameters exceeded PRGs in site groundwater. It is improbable that the upper surficial zone will be tapped for potable use because of the availability of municipal water, the ambient levels of some metals, and the potential for salt water intrusion induced by pumping. Given that the upper surficial zone is affected, and is not used, nor anticipated to be used for drinking water, no remedial recommendation for secondary exceedances is required. Therefore, no recommendation to address aluminum is made.

As might be expected, sediments collected from the storm sewer manhole on Site 17 displayed numerous metals, pesticides, PAHs, and Aroclor-1260 above PRGs. Few site investigations to date have included storm sewer sediment sampling for comparison. The High Voltage Yard,

where the sampled storm drain exists, was noted to contain vehicles, powered equipment, several types of transformers, a stack of treated wooden utility poles, assorted other equipment, and debris. A wide variety of potential origins exist onsite for the parameters found in the sediments that were sampled. The storm sewer drain at Site 17 is functioning as a sediment trap, and is a sink for parameters washed into the sewer during storm events. However, some element needs to be developed to address maintenance of the storm sewer system on a base-wide scale. This recommendation is base-wide, and not reserved for Site 17 alone. The storm sewer from Site 17 leads to an outfall draining to a ditch leading to Bayou Grande. Potential adverse effects of contaminants transported through the storm sewer system to this outfall will be addressed during the RI/FS for Bayou Grande (Site 40).

There will be an interim soil removal during the spring of 1997 to remove the surface soil PCB contamination found at boring 17S01. The results of this removal will be presented as an addendum to this RI report. Subsequent to the successful completion of this removal, it is recommended that: (1) no further action (NFA) be conducted at this site, (2) the site area does not warrant the detailed evaluation of alternatives associated with a feasibility study, and (3) an NFA Proposed Plan be developed leading to an NFA Record of Decision for this site.

12.0 REFERENCES

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13.0 FLORIDA PROFESSIONAL GEOLOGIST SEAL

I have read and approve of this Remedial Investigation Report, NAS Pensacola Site 17, and seal it in accordance with Chapter 492 of the Florida Statutes. In sealing this document, I certify the geological information contained in it is true to the best of my knowledge and the geological methods and procedures included herein are consistent with currently accepted geological practices.

Name:	Brian E. Caldwell
License Number:	#1330
State:	Florida
Expiration Date:	July 31, 1998

B E Caldwell

Brian E. Caldwell

2/7/97

Date

Appendix A

Soil Boring/Monitoring Well Construction Logs

EnSafe/Allen & Hoshall

Boring 17S01

Prokct *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Geologist: *S. Parker*
Stated *at 10:50 on 9-8-95*	Surface Elevation:
Completed at *10:55 on* 9-8-95	Depth to Groundwater: Measured:
Drilling Method: *Hand Auger*	Groundwater Elevation: *feet msl*
Drilling Company: *N/A*	Total Depth: *5 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			HA-1				CL	Surlace Conditlons: Asphalt. Red sandy clay road base to l'bis, turning to buff white fine to medium grained quartz sand.	
							SP	Dark brown fine to medium grained sand 1-5'bls. Wet at 5'bls.	
5			HA-2						
10								Nates: HA = Hand Auger Samples collected: 017S000101 017S000105	

EnSafe/Allen & Hoshall

Boring 17S02

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Geologist: *S. Parker*
Started at *1100 on 9-8-95*	Surface Elevation:
Completed at *1110 on 9-8-95*	Depth to Groundwater: Measured
Drilling Method: *Hand Auger*	Groundwater Elevation: *feet msl*
Drilling Company: *N/A*	Total Depth: *5 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			HA-1				CL	Surface Conditions: Asphalt. Red sandy clay road base to 1'bls, turning to buff white fine to medium grained quartz sand.	25.2
							SP	Dark brown fine to medium grained sand 1-5'bls. Wet at 5'bls.	
5			HA-2						21
10									

Notes:
HA = Hand Auger

Samples collected:
017S000201
017S000205

EnSafe/Allen & Hoshall	Boring 17S03
Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Geologist: *S. Parker*
Stated *at 1125 on 9-8-95*	Surface Elevation:
Completed at *1130 on 9-8-95*	Depth to Groundwater: Measured:
Drilling Method: *Hand Auger*	Groundwater Elevation: feet *msl*
Drilling Company: *N/A*	Total Depth: *5 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			HA-1				CL	Surface Conditions: Asphalt. Red sandy clay road base to 1'bls, turning to buff white fine to medium grained quartz sand.	25.5
							SP	Oark brown line to medium grained sand 1-5'bls. Wet at 5'bls.	
5			HA-2						21.5
10									

Notes:
HA = Hand Auger

Samples collected:
017S000301
017S000305

EnSafe/Allen & Hoshall

Boring 17S04

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Geologist: *S. Parker*
Started at *2235 on 9-8-95*	Surface Elevation:
Completed at *10:45 on 9-8-95*	Depth to Groundwater: Measured:
Drilling Method: *Hand Auger*	Groundwater Elevation: *feet msl*
Drilling Company: *N/A*	Total Depth: *5 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							CL	Surface Conditions: Asphalt. Red sandy clay road base to 1'bls, turning to buff white fine to medium grained quartz sand.	
			HA-1						5.3
							SP	Dark brown line to medium grained sand 1-5'bls. Wet at 5'bls.	
5			HA-2						1.3
10									

Notes:
HA = Hand Auger

Samples collected:
017S000401
017S000405

EnSafe/Allen & Hoshall

Boring 17S05

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Geologist: *S. Parker*
Started at *10:00* on 9-8-95	Surface Elevation:
Completed at *10:10* on 9-8-95	Depth to Groundwater: Measured:
Drilling Method: *Hand Auger*	Groundwater Elevation: *feet msl*
Drilling Company: *N/A*	Total Depth: *5 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			HA-1				CL	Surface Conditions: Asphalt. Red sandy clay road base to 1'bls, turning to buff white fine to medium qained quartz sand.	25.2
							SP	Dark brown line to medium grained sand 1-5'bls. Wet at 5'bls.	
5			HA-2						21.2
10									

Notes:
HA = Hand Auger

Samples collected:
017S000501
017S000505

Environmental & Safety Designs, Inc.

Log of Boring 17S06

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Geologist: *S. Parker*
Started at *0940 on 9-8-95*	Surface Elevation: *28.16 feet msl*
Completed at *0945 on 9-8-95*	Depth to Groundwater: *feet* Measured:
Drilling Method: *Hand Auger*	Groundwater Elevation: *feet msl*
Drilling Company: *N/A*	Total Depth: *5 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE 9	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							CL	Surface Conditions: Asphalt. Red sandy clay road base to 1'bls, turning to gray fine to medium grained quartz sand.	
			HA-1						25.2
							SP	Gray fine to medium grained quartz sand from 1-2'bls, becoming buff white sand from 2-2.5'bls. Brown fine to medium grained sand from 2.5'-5'bls. Wet at 5'bls.	
5			HA-2						21.2
10									

Notes:
HA = Hand Auger

Samples collected:
017S000601
017S000605

EnSafe/Allen & Hoshall

Boring 17S07

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Geologist: *S. Parker*
Started at *0910 on 9-8-95*	Surface Elevation:
Completed at *0925 on 9-8-95*	Depth to Groundwater: Measured:
Drilling Method: *Hand Auger*	Groundwater Elevation: *feet msl*
Drilling Company: *N/A*	Total Depth: *5 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			HA-1				CL	Surface Conditions: Asphalt. Red sandy clay road base to 1'bls, turning to gray fine to medium grained quartz sand.	25.3
			HA-2				SP	Gray fine to medium grained sand from 1-2'bls, becoming buff white sand from 2-2.5'bls. Brown fine to medium grained sand from 2.5-5'bls. Wet at 5'bls.	21.3
5									
10									

Notes:
HA = Hand Auger

Samples collected:
017S000701
017S000705
017C000705 (Duplicate)

EnSafe/Allen & Hoshall

Boring 17S08

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Geologist: *S. Parker*
Started at *0930 on 9-8-95*	Surface Elevation:
Completed at *0935 on 9-8-95*	Depth to Groundwater: Measured:
Drilling Method: *Hand Auger*	Groundwater Elevation: *feet msl*
Drilling Company: *N/A*	Total Depth: *5 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE ID.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
			HA-1				CL	Surface Conditions: Asphalt. Red sandy clay road base to 1'bls, turning to gray fine to medium grained quartz sand.	25.2
							SP	Gray fine to medium grained sand from 1-2'bls, becoming buff white sand from 2-2.5'bls. Brown fine to medium grained sand from 2.5-5'bls. Wet at 5'bls.	
5			HA-2						21.2
								Notes: Samples collected: 017S000801 017S000805	
10									

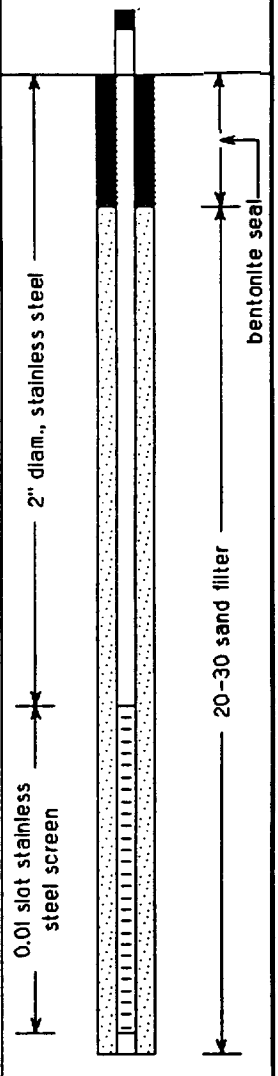
EnSafe/Allen & Hoshall

Monitoring Well 17GR01

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Surface Elevation: *26.68 feet msl*
Stated at *10:30* on *9-5-95*	TOC Elevation: *31.74 feet msl*
Completed at *11:10* on *9-5-95*	Depth to Groundwater: *8.24 feet* Measured: *11-20-95*
Drilling Method: *Hollow Stem Auger*	Groundwater Elevation: *20.44 feet msl*
Drilling Company: *GZA Drilling*	Total Depth: *14.91 feet*
Geologist: *S. Parker*	Well Screen: *9.58 to 14.58 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							SM	Surface Conditions: Grass covered. Top soil and shell base to 1'bls.	25.7
					0		SP	Dark brown medium grained sand from 1'-2'bls. Light brown to grayish brown medium grained Well sorted sand from 2'-5'bls. Light gray to dark brown medium grained well sorted sand with 3-5% heavier material from 5'-10'bls. Water level at 8.24'bls. Dark brown medium grained well sorted sand from 10'-15'bls.	11.8
5									
10									
15								Notes: Temporary well. Sample Collected: 017GGR0101	
20									

WELL DIAGRAM



EnSafe/Allen & Hoshall

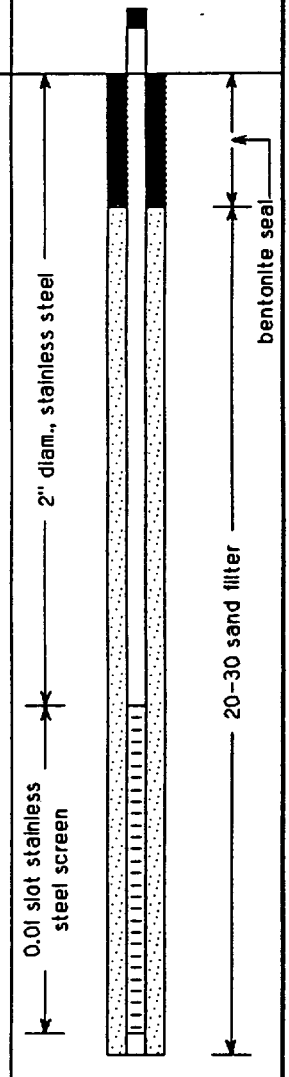
Monitoring Well 17GR02

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Surface Elevation: *28.53 feet msl*
Started at *11:30 on 9-5-95*	TOC Elevation: *31.82 feet msl*
Completed at *12:15 on 9-5-95*	Depth to Groundwater: *5.98 feet* Measured: *11-20-95*
Drilling Method: *Hollow Stem Auger*	Groundwater Elevation: *20.55 feet msl*
Drilling Company: *G. Z. A. Drilling*	Total Depth: *14.90 feet*
Geologist: *S. Parker*	Well Screen: *9.57 to 14.57 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							CL	Surface Conditions: Grassy median adjacent to road. Red clay road base containing gravel and shells to 1.5'bls.	25
					0		SP	Light gray brown medium grained well sorted sand from 1.5-5'bls. Water level at 5.98'bls. Dark brown to light gray medium grained well sorted sand from 5'-10'bls.	11.6
								Notes: Temporary well. Sample Collected: 017GGR0201	

5
10
15
20

WELL DIAGRAM



EnSafe/Allen & Hoshall

Monitoring Well 17GR03

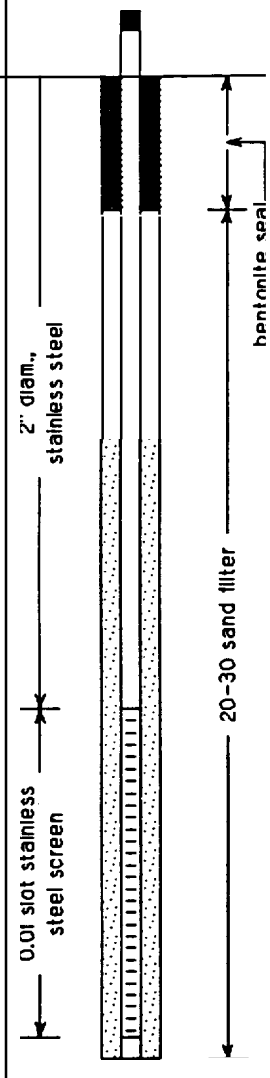
Project: Site 17	Location: NAS Pensacola
Project No.: 0071-00030	Surface Elevation: 26.13 feet msl
Stated at 1345 on 9-5-95	TOC Elevation: 32.13 feet msl
Completed at 1415 on 9-5-95	Depth to Groundwater: 4.88 feet Measured: 11-20-95
Drilling Method: Hollow Stem Auger	Groundwater Elevation: 21.25 feet msl
Drilling Company: G. Z. A. Drilling	Total Depth: 14.90 feet
Geologist: S. Parker	Well Screen: 9.57 to 14.57 feet

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							SM	Surface Conditions: Crushed limestone gravel parking lot. Dark brown silty sand to 1' bls.	25.1
					0				
5									
							SP		
10									
15									11.2
20									

Notes:

Temporary Well.
Sample Collected:
017GGR0301

WELL DIAGRAM



EnSafe/Allen & Hoshall

Monitoring Well 17GR04

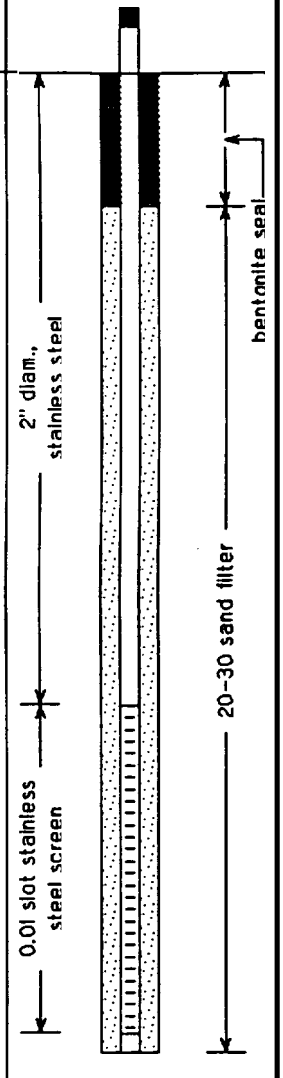
Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Surface Elevation: *25.94 feet msl*
Stated at *1345 on 9-7-95*	TOC Elevation: *32.46 feet msl*
Completed at *1420 on 9-7-95*	Depth to Groundwater: *4.69 feet* Measured: *11-20-95*
Drilling Method: *Hollow Stem Auger*	Groundwater Elevation: *21.25 feet msl*
Drilling Company: *G Z A Drilling*	Total Depth: *14.87 feet*
Geologist: *S. Parker*	Well Screen: *3 to a feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							CL	Surface Conditions: Asphalt. Red clay road base to 1'bls.	24.9
					0		SP	Light gray to white medium grained well sorted sand with 1-3% heavier material iron 1-13'bls. Brown hue noted at 8'bls. Water level at 4.69'bls.	
5									
10									
15									11
20									

Notes:

Temporary well.
Sample Collected:
017GGR0401

WELL DIAGRAM



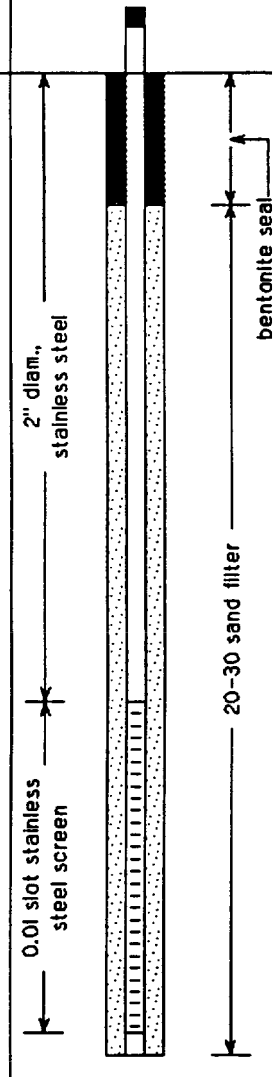
EnSafe/Allen & Hoshall

Monitoring Well 17GR05

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Surface Elevation: *26.09 feet msl*
Started at *1430 on 9-7-95*	TOC Elevation: *32.44 feet msl*
Completed at *1510 on 9-7-95*	Depth to Groundwater: *5.23 feet* Measured: *11-20-95*
Drilling Method: *Hollow Stem Auger*	Groundwater Elevation: *20.86 feet msl*
Drilling Company: *G. Z. A. Drilling*	Total Depth: *14.90* feet
Geologist: *S. Parker*	Well Screen: *9.57 to 14.57 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANYTICAL SMLE	SALE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							CL	Surface Conditions: Asphalt. Red clay road base to 1'bls.	25.1
					0				
5									
							SP	Light gray medium grained well sorted quartz sand with 1-3% heavier material from 1-8'bls. Brown to grayish brown medium grained sand with 1-3% heavier material from 8-10'bls. Light grayish brown sand 10-13'bls. Water level at 5.23'bls.	
10									
15									11.2
20									

WELL DIAGRAM



Notes:

Temporary well.
Samples Collected:
017GGR0501
017HGR0501 (Duplicate)

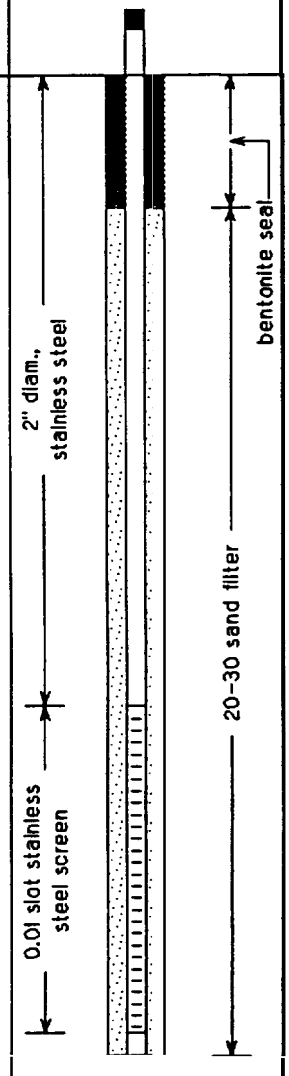
EnSafe/Allen & Hoshall

Monitoring Well 17GR06

Project: *Site 17*	Location: *NAS Pensacola*
Project No.: *0071-00030*	Surface Elevation: *feet msl*
Stated at *1520 on 9-7-55*	TOC Elevation: *feet msl*
Completed at *on 9-7-95*	Depth to Groundwater: *feet* Measured: *11-20-95*
Drilling Method: *Hollow Stem Auger*	Groundwater Elevation: *feet msl*
Drilling Company: *G. Z. A. Drilling*	Total Depth: *14.87 feet*
Geologist: *S. Parker*	Well Screen: *9.54 to 14.54 feet*

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							CL	Surface Conditions: Asphalt. Red clay road base to 1'bls.	
					0		SP	Light gray medium grained well sorted sand with 1-3% heavier materials from 1-4'bls. Brown medium grained sand from 4-8'bls. Light gray to grayish brown sand from 8-13'bls. Water level at 5.3'bls.	
5									
10									
15								Notes: Temporary well. Sample Collected: 017GGR0601 Well destroyed before land survey; therefore, survey elevation unavailable.	
20									

WELL DIAGRAM



EnSafe/Allen & Hoshall

Monitoring Well 17GR07

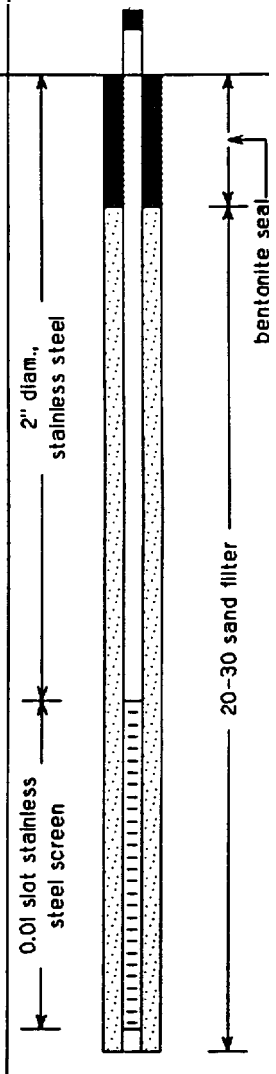
Project: Site 17	Location: NAS Pensacola
Project No.: 0071-00030	Surface Elevation: 26.13 feet msl
Started at on 9-8-95	TOC Elevation: 32.65 feet msl
Completed at on 9-8-95	Depth to Groundwater: 5.35 feet Measured: 11-20-95
Drilling Method: Hollow Stem Auger	Groundwater Elevation: 20.78 feet msl
Drilling Company: G. Z. A. Drilling	Total Depth: 14.82 feet
Geologist: S. Parker	Well Screen: 9.49 to 14.49 feet

DEPTH IN FEET	LITHOLOGIC SAMPLE	ANALYTICAL SAMPLE	SAMPLE NO.	% RECOVERY	PID (ppm)	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	ELEV. (ft-msl)
							CL	Surface Conditions: Asphalt. Red clay road base to 1'bls.	25.1
					0				
5									
							SP	Brown to gray medium grained well sorted sand with 3-5% heavier materials from 1-4'bls. Tan to grayish tan medium grained well sorted sand from 4-13'bls. Water level at 5.35'bls.	
10									
15									13
20									

Notes:

Temporary well.
Sample Collected:
017GGR0701

WELL DIAGRAM



Appendix B

Preliminary Remediation Goals

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leeching	NASP Reference Concentration
Inorganics (mg/kg)						
7429-90-5	Aluminum (Al) [N]	7,800	NA	75,000	NA	3,833.36
7440-36-0	Antimony (Sb) [N]	3.1	NA	26	NA	9.49
7440-38-2	Arsenic (As) [C]	0.43	15	0.7	NA	1.56
7440-39-3	Barium (Ba) [N]	550	32	5,200	NA	4.63
7440-41-7	Beryllium (Be) [C]	0.15	180	0.2	NA	0.41
7440-42-8	Boron [N]	700	NA	7,000	NA	NA
7440-43-9	Cadmium (Cd) [N]	3.9	6	37	NA	1
7440-70-2	Calcium (Ca)	NA	NA	NA	NA	912.37
7440-47-3	Chromium (Cr) [N]	7,800	NA	66,000	NA	6.13
18540-29-9	Chromium (Hexavalent) [N]	39	19	290	NA	NA
7440-48-4	Cobalt (Co) [N]	470	NA	4,700	NA	1.87
7440-50-8	Copper (Cu) [N]	310	NA	NA	NA	5.74
57-12-5	Cyanide (CN) [N]	160	NA	1,600	NA	0.52
7439-89-6	Iron (Fe) [N]	2,300	NA	NA	NA	2,745
7439-92-1	Lead (Pb) [C]	400	NA	500	NA	7.32
7439-95-4	Magnesium (Mg)	NA	NA	NA	NA	133.33
7439-96-5	Manganese (Mn) [N]	180	NA	370	NA	21.36
7439-97-6	Mercury (Hg) [N]	2.3	3	23	NA	0.1
7439-98-7	Molybdenum (Mo) [N]	39	NA	390	NA	NA
7440-02-0	Nickel (Ni) [N]	160	21	1,500	NA	6.38

Preliminary Remediation Goals (PRGs) for soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Inorganics (mg/kg)						
7440-09-7	Potassium (K) N	NA	NA	NA	NA	460.67
7782-49-2	Selenium (Se) N	39	3	390	NA	0.62
7440-22-4	Silver (Ag) N	39	NA	390	MA	2.07
7440-23-5	Sodium (Na) N	NA	NA	NA	NA	107.85
7440-24-6	Strontium N	4,700	NA	47,000	NA	NA
7440-28-0	Thallium (Tl) N	0.63	0.4	NA	NA	0.82
7440-31-5	Tin (Sn) N	4,700	NA	44 ,000	NA	NA
7440-62-2	Vanadium (V) N	55	NA	490	NA	5.83
7440-66-6	Zinc (Zn) N	2,300	42,000	23 ,000	NA	16.87

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Pesticides (µg/kg)						
93-76-5	2,4,5-T N	78,000	NA	NA	NA	NA
93-72-1	2,4,5-TP (Silvex) N	63,000	NA	NA	NA	NA
94-75-7	2,4-D N	78,000	1,700	NA	NA	NA
94-82-6	2,4-DB N	63,000	NA	NA	NA	NA
72-54-8	4,4'-DDD C	2,700	700	4,500	200	NA
72-55-9	4,4'-DDE C	1,900	500	3,000	200	NA
50-29-3	4,4'-DDT C	1,900	1,000	3,100	500	NA
309-00-2	Aldrin C	38	5	60	50	NA
12674-11-2	Aroclor-1016 N	550	NA	NA	NA	NA
11104-28-2	Aroclor-1221 C	83	NA	900	44,000	NA
11141-16-5	Aroclor-1232 C	83	NA	900	44,000	NA
53469-21-9	Aroclor-1242 C	83	NA	900	44,000	NA
12672-29-6	Aroclor-1248 C	83	NA	900	44,000	NA
11097-69-1	Aroclor-1254 N	83	NA	900	44,000	NA
11096-82-5	Aroclor-1260 C	83	NA	900	44,000	NA
57-74-9	Chlordane C	490	2,000	800	2,100	NA
510-15-6	Chlorobenzilate C	2,400	NA	NA	NA	NA
2303-16-4	Diallate C	10,000	NA	NA	NA	NA
60-57-1	Dieldrin C	40	1	70	20	NA
60-51-5	Dimethoate N	1,600	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Pesticides (µg/kg)						
88-85-7	Dinoseb N	7,800	NA	43,000	400	NA
298-04-4	Disulfoton N	310	NA	2,800	10	NA
959-98-8	Endosulfan I N	47,000	3,000	390,000	700	NA
33213-65-9	Endosulfan II N	47,000	3,000	390,000	700	NA
1031-07-8	Endosulfan sulfate N	47,000	3,000	390,000	700	NA
72-20-8	Endrin N	2,300	400	23,000	400	NA
7421-93-4	Endrin aldehyde N	2,300	400	23,000	50	NA
53494-70-5	Endrin ketone N	2,300	400	23,000	400	NA
52-85-7	Famphur	NA	NA	NA	NA	NA
76-44-8	Heptachlor C	140	60	200	60	NA
1024-57-3	Heptachlor epoxide C	70	30	100	30	NA
465-73-6	Isodrin P	NA	NA	NA	NA	NA
143-50-0	Kepone C	35	NA	NA	NA	NA
72-43-5	Methoxychlor N	39,000	62,000	380,000	62,000	NA
298-00-0	Methyl parathion N	2,000	41	19,000	100	NA
126-68-1	O,O,O-Triethylphosphorothioate	NA	NA	NA	NA	NA
56-38-2	Parathion N	47,000	3,900	450,000	3,900	NA
298-02-2	Phorate N	1,600	NA	14,000	50	NA
3689-24-5	Sulfotep N	3,900	NA	NA	NA	NA
297-97-2	Thionazin	NA	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Pesticides (µg/kg)						
8001-35-2	Toxaphene [C]	580	40	900	40	NA
319-84-6	alpha-BHC [C]	100	0.4	200	2	NA
5103-71-9	alpha-Chlordane [C]	490	2,000	800	2,100	NA
319-85-7	beta-BHC [C]	350	2	600	5	NA
319-86-8	delta-BHC [C]	NA	NA	23,000	7	NA
58-89-9	gamma-BHC (Lindane) [C]	490	6	800	6	NA
5103-74-2	gamma-Chlordane [C]	490	2,000	800	2,100	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leeching	NASP Reference Concentration
Semivolatiles (µg/kg)						
634-66-2	1,2,3,4-Tetrachlorobenzene N	2,300	690	NA	NA	NA
634-90-2	1,2,3,5-Tetrachlorobenzene N	2,300	690	NA	NA	NA
87-61-6	1,2,3-Trichlorobenzene N	78,000	2,000	NA	NA	NA
95-94-3	1,2,4,5-Tetrachlorobenzene N	2,300	690	NA	NA	NA
120-82-1	1,2,4-Trichlorobenzene N	78,000	2,000	590,000	2,300	NA
95-50-1	1,2-Dichlorobenzene N	700,000	6,000	820,000	5,800	NA
122-66-7	1,2-Diphenylhydrazine C	800	NA	NA	NA	NA
108-70-3	1,3,5-Trichlorobenzene N	78,000	2,000	590,000	2,300	NA
99-35-4	1,3,5-Trinitrobenzene N	390	NA	NA	NA	NA
541-73-1	1,3-Dichlorobenzene N	700,000	NA	1,700,000	400	NA
99-65-0	1,3-Dinitrobenzene N	780	NA	NA	NA	NA
106-46-7	1,4-Dichlorobenzene C	27,000	1,000	7,500	900	NA
130-15-4	1,4-Naphthoquinone	NA	NA	NA	NA	NA
90-13-1	1-Chloronaphthalene N	630,000	140,000	560,000	57,000	NA
90-12-0	1-Methyl naphthalene N	NA	NA	930,000	NA	NA
134-32-7	1-Naphthylamine	NA	NA	NA	NA	NA
108-60-1	2,2'-oxybis(1-Chloropropane)	NA	NA	NA	NA	NA
58-90-2	2,3,4,6-Tetrachlorophenol N	230,000	NA	NA	NA	NA
95-95-4	2,4,5-Trichlorophenol N	700,000	120,000	7,100,000	100	NA
88-06-2	2,4,6-Trichlorophenol C	58,000	60	87,000	80	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

US #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference C m a tration
Semivolatiles (µg/kg)						
120-83-2	2,4-Dichlorophenol N	23,000	500	220,000	20	NA
105-67-9	2,4-Dimethylphenol N	160,000	3,000	1,200,000	1,800	NA
51-28-5	2,4-Dinitrophenol N	16,000	100	NA	NA	NA
121-14-2	2,4-Dinitrotoluene N	16,000	200	130,000	0.6	NA
87-65-0	2,6-Dichlorophenol N	23,000	500	220,000	20	NA
606-20-2	2,6-Dinitrotoluene N	7,800	100	71,000	0.6	NA
91-58-7	2-Chloronaphthalene N	630,000	140,000	560,000	57,000	NA
95-57-8	2-Chlorophenol N	39,000	2,000	200,000	300	NA
99-55-8	2-Methyl-5-nitroaniline C	19,000	NA	NA	NA	NA
95-53-4	2-Methylmiline C	2,700	NA	NA	NA	NA
636-21-5	2-Methylaniline hydrochloride C	3,500	NA	NA	NA	NA
91-57-6	2-Methylnaphthalene N	NA	NA	960,000	NA	NA
95-48-7	2-Methylphenol (0-Cresol) N	390,000	6,000	2,600,000	1,100	NA
91-59-8	2-Naphthylamine C	4.9	NA	NA	NA	NA
88-74-4	2-Nitroaniline N	470	NA	4,000	20	NA
88-75-5	2-Nitrophenol N	480	NA	NA	NA	NA
109-06-8	2-Picoline	NA	NA	NA	NA	NA
91-94-1	3,3'-Dichlorobenzidine C	1,400	10	NA	NA	NA
119-90-4	3,3'-Dimethoxybenzidine C	46,000	NA	NA	NA	NA
119-93-7	3,3-Dimethylbenzidine C	69	0.39	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentratim
Semivolatiles (µg/kg)						
56-49-5	3-Methylcholanthrene	NA	NA	NA		
108-39-4	3-Methylphenol (m-Cresol) N	390,000	NA	3,400,000	4,200	
99-09-2	3-Nitroaniline N	23,000	NA	NA	NA	NA
101-14-4	4,4'-Methylene bis(2-chloroaniline) C	4,900	NA	NA	NA	NA
534-52-1	4,6-Dinitro-2-mthylphenol	NA	NA	NA	NA	NA
92-67-1	4-hinobiphenyl	NA	NA	NA	NA	NA
101-55-3	4-Bromophenyl-phenylether N	450,000	NA	NA	NA	NA
59-50-7	4-Chloro-3-mthylphml	NA	NA	140,000,000	42,000	NA
106-47-8	4-Chloroaniline N	31,000	300	240,000	80	NA
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA	NA	NA
106-44-5	4-Methylphenol (p-Cresol) N	39,000	NA	340,000	*400*	NA
100-01-6	4-Nitroaniline N	23,000	NA	230,000		
100-02-7	4-Nitrophenol N	480,000	NA	NA		
56-57-5	4-Nitroquinoline 1-oxide	NA	NA	NA	NA	
57-97-6	7,12-Dimethylbenz(a)anthracene C	NA	NA	NA		NA
83-32-9	Acenaphthene N	470,000	200,000	2,800,000	2,000	NA
208-96-8	Acenaphthylene N	470,000	200,000	670,000	11,000	NA
53-96-3	Acetamidofluorene	NA	NA	NA	NA	NA
98-86-2	Acetophenone N	780,000	NA	NA	NA	NA
62-53-3	Aniline C	110,000	31	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Par—tcr	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Semivolatiles (µg/kg)						
120-12-7	Anthracene N	2,300,000	4,300,000	20,000,000	890,000	NA
140-57-8	Aramite C	26,000	NA	NA	NA	NA
103-33-3	Azobenzene C	5,800	NA	NA	NA	NA
98-87-3	Benzal chloride	NA	NA	NA	NA	NA
92-87-5	Benzidine C	2.8	0.0011	NA	NA	NA
56-55-3	Benzo(a)anthracene C	880	700	1,400	29,000	NA
50-32-8	Benzo(a)pyrene C	88	4,000	100	3,700	NA
205-99-2	Benzo(b)fluoranthene C	880	4,000	1,400	71,000	NA
191-24-2	Benzo(g,h,i)perylene N	230,000	1,400,000	14,000	320,000	NA
207-08-9	Benzo(k)fluoranthene C	8,800	4,000	14,000	44,000	NA
65-85-0	Benzoic acid N	31,000,000	280,000	130,000,000	56,000	NA
98-07-7	Benzotrichloride C	49	0.073	NA	NA	NA
100-51-6	Benzyl alcohol N	2,300,000	NA	NA	NA	NA
39638-32-9	Bis(2-Chloroisopropyl)Ether C	9,100	NA	NA	NA	NA
85-68-7	Butylbenzylphthalate N	1,600,000	68,000	15,000,000	960,000	NA
86-74-8	Carbazole C	32,000	500	*42,000*	*400*	NA
218-01-9	Chrysene C	88,000	1,000	140,000	31,000	NA
6055-19-2	Cyclophosphamide	NA	NA	NA	NA	NA
84-74-2	Di-n-butylphthalate N	780,000	120,000	7,300,000	23,000	NA
117-84-0	Di-n-octyl phthalate N	160,000	1,000,000,000	1,500,000	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Semivolatiles (µg/kg)						
53-70-3	Dibenz(a,h)anthracm [C]	88	11,000	100	7,200	NA
224-42-0	Dibenzo(a,j)acridine	NA	NA	NA	NA	NA
132-64-9	Dibenzofuran	31,000	120,000	240,000	NA	NA
84-66-2	Diethylphthalate	6,300,000	110,000	56,000,000	20,000	NA
131-11-3	Dimethyl phthalate [N]	78,000,000	1,200,000	630,000,000	200,000	NA
122-39-4	Diphenylamine	200,000	NA	NA	NA	NA
97-63-2	Ethyl methacrylate	700,000	NA	NA	NA	NA
62-50-0	Ethyl methanesulfonate	NA	NA	NA	NA	NA
206-44-0	Fluoranthene [N]	310,000	980,000	2,900,000	280,000	NA
86-73-7	Fluorene	310,000	160,000	2,400,000	45,000	NA
118-74-1	Hexachlorobenzene [C]	400	800	600	800	NA
87-68-3	Hexachlorobutadiene [C]	8,200	100	3,100	2,100	NA
77-47-4	Hexachlorocyclopentadiene	55,000	10,000	NA	NA	NA
67-72-1	Hexachloroethane	46,000	200	27,000	400	NA
70-30-4	Hexachlorophene [N]	2,300	NA	NA	NA	NA
1888-71-7	Hexachloropropene	NA	NA	NA	NA	NA
193-39-5	Indeno(1,2,3-cd)pyrene [C]	880	35,000	1,400	17,000	NA
78-59-1	Isophorone [C]	670,000	200	NA	NA	NA
120-58-1	Isosafrole	NA	NA	NA	NA	NA
91-80-5	Methapyrilene	NA	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Semivolatiles (µg/kg)						
80-62-6	Methyl methacrylate [N]	630,000	NA	NA	NA	NA
66-27-3	Methyl methanesulfonate	NA	NA	NA	NA	NA
10595-95-6	N-Nitroso-N-methylethylamine [C]	29	NA	NA	NA	NA
621-64-7	N-Nitroso-di-n-propylamine [C]	91	0.02	20	9	NA
924-16-3	N-Nitrosodi-n-butylamine [C]	120	NA	NA	NA	NA
55-18-5	N-Nitrosodiethylamine [C]	4.3	NA	NA	NA	NA
62-75-9	N-Nitrosodimethylamine [C]	13	NA	3	20	NA
86-30-6	N-Nitrosodiphenylamine [C]	130,000	200	73,000	60	NA
59-89-2	N-Nitrosomorpholine	NA	NA	NA	NA	NA
100-75-4	N-Nitrosopiperidine	NA	NA	NA	NA	NA
930-55-2	N-Nitrosopyrrolidine [C]	300	NA	NA	NA	NA
91-20-3	Naphthalene [N]	310,000	30,000	1,300,000	100	NA
98-95-3	Nitrobenzene [N]	3,900	90	22,000	*40*	NA
123-63-7	Paraldehyde	NA	NA	NA	NA	NA
608-93-5	Pentachlorobenzene [N]	6,300	*48,000*	NA	NA	NA
76-01-7	Pentachloroethane	NA	NA	NA	NA	NA
82-68-8	Pentachloronitrobenzene [C]	2,500	NA	NA	NA	NA
87-86-5	Pentachlorophenol [C]	5,300	200	5,400	10	NA
62-44-2	Phenacetin	NA	NA	NA	NA	NA
85-01-8	Phenanthrene [N]	230,000	*1,400,000*	1,700,000	2,800	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Semivolatiles (µg/kg)						
108-95-2	Phenol [N]	*4,700,000*	49,000	34,000,000	20	NA
23950-58-5	Pronamide [N]	590,000	NA	NA	NA	NA
129-00-0	Pyrene [N]	230,000	1,400,000	2,200,000	290,000	NA
110-86-1	Pyridine [N]	7,800	NA	500	20	NA
94-59-7	Safrole	NA	NA	NA	NA	NA
122-09-8	alpha, alpha-Dimethylphenethylamine	NA	NA	NA	NA	NA
111-91-1	bis(2-Chloroethoxy)methane	NA	NA	170,000	30	NA
111-44-4	bis(2-Chloroethyl)ether [C]	580	0.3	500	5	NA
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP) [C]	46,000	11,000	48,000	11,000	NA
60-11-7	p-Dimethylaminoazobenzene	NA	NA	NA	NA	NA
106-50-3	p-Phenylenediamine [N]	1,500,000	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Volatiles (µg/kg)						
106-93-4	1, 2-Dibromoethane C	7.5	0.18	10	0.06	NA
630-20-6	1,1,1,2-Tetrachloroethane C	25,000	NA	5,900	3	NA
811-97-2	1,1,1,2-Tetrafluoroethane	NA	NA	NA	NA	NA
71-55-6	1,1,1-Trichloroethane N	270,000	900	610,000	900	NA
354-58-5	1,1,1-trichlora-2,2,2-trifloromethane	NA	NA	NA	HA	NA
79-34-5	1,1,2,2-Tetrachloroethane C	3,200	1	900	0.7	NA
79-00-5	1,1,2-Trichloroethane C	11,000	10	2,000	20	NA
75-34-3	1,1-Dichloroethane N	780,000	11,000	310,000	2,300	NA
75-35-4	1,1-Dichloroethene C	1,100	30	100	30	NA
96-18-4	1,2,3-Trichloropropane C	91	0.006	NA	NA	NA
96-19-5	1,2,3-Trichloropropene N	39,000	NA	NA	NA	NA
615-54-3	1,2,4-Tribromobenzene N	39,000	NA	NA	NA	NA
120-82-1	1,2,4-Trichlorobenzene N	78,000	2,000	590,000	2,300	NA
96-12-8	1,2-Dibromo-3-Chloropropane C	460	0.61	NA	NA	NA
107-06-2	1,2-Dichloroethane C	7,000	10	700	8	NA
540-59-0	1,2-Dichloroethene (total) N	70,000	NA	NA	NA	NA
78-87-5	1,2-Dichloropropane C	9,400	20	800	20	NA
106-99-0	1,3-Butadiene	NA	0.072	NA	NA	NA
542-75-6	1,3-Dichloropropene C	3,700	1	300	3	NA
106-37-6	1,4-Dibromobenzene N	78,000	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Volatiles (µg/kg)						
764-41-0	1,4-Dichloro-2-butene	NA	NA	NA	NA	NA
123-91-1	1,4-Dioxane [C]	58,000	NA	NA	NA	NA
75-68-3	1-Chloro-1,1-difluoroethane	NA	NA	NA	NA	NA
109-69-3	1-Chlorobutane [N]	3,100,000	NA	NA	NA	NA
78-93-3	2-Butanone (MEK) [N]	*4,700,000*	NA	2,200, 000	8,700	NA
126-99-8	2-Chloro-1,3-butadiene [N]	160,000	NA	NA	NA	NA
110-75-8	2-Chloroethyl vinyl ether [N]	200,000	NA	100 ,000	2	NA
67-64-1	Acetone [N]	780 ,000	8,000	260,000	1,400	NA
75-05-8	Acetonitrile [N]	*47,000*	NA	NA	NA	NA
107-02-8	Acrolein [N]	160 ,000	NA	*400*	300	NA
107-13-1	Acrylonitrile [C]	1,200	NA	100	20	NA
107-05-1	Allyl chloride [N]	390,000	NA	NA	NA	NA
100-52-7	Benzaldehyde [N]	780,000	NA	NA	NA	NA
71-43-2	Benzene [C]	22,000	20	1,400	3	NA
95-63-6	Benzene, 1,2,4-trimethyl [N]	390,000	NA	6,200	200	NA
108-67-8	Benzene, 1,3,5-trimethyl- [N]	390,000	NA	3,700	100	NA
100-44-7	Benzyl chloride [C]	3,800	0.36	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentratim
Volatiles (µg/kg)						
542-88-1	Bis(chloromethyl)ether C	2.9	0.0001	NA	NA	NA
75-27-4	Bromodichloromethane C	10,000	300	700	2	NA
593-60-2	Bromoethene	NA	NA	NA	NA	NA
75-25-2	Bromoform C	81,000	500	65,000	20	NA
74-83-9	Bromomethane N	11,000	100	NA	NA	NA
75-15-0	Carbon disulfide N	780,000	14,000	5,200	2,500	NA
56-23-5	Carbon tetrachloride C	4,900	30	600	20	NA
108-90-7	Chlorobenzene N	160,000	600	44,000	600	NA
75-45-6	Chlorodifluoromethane	NA	NA	NA	NA	NA
75-00-3	Chloroethane N	3,100,000	33,000	NA	NA	NA
67-66-3	Chloroform C	100,000	300	600	20	NA
74-87-3	Chloromethane C	49,000	6.6	200	10	NA
1476-11-5	Cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA
123-73-9	Crotonaldehyde, (E) C	340	NA	NA	NA	NA
108-94-1	Cyclohexanone N	39,000,000	NA	NA	NA	NA
1163-19-5	Decabromodiphenyl ether N	78,000	NA	NA	NA	NA
124-48-1	Dibromochloromethane C	NA	NA	1,200	4	NA
75-71-8	Dichlorodifluoromethane N	1,600,000	7,500	NA	NA	NA
77-73-6	Dicyclopentadiene N	230,000	NA	NA	NA	NA
107-12-0	Ethyl cyanide	NA	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentratim
Volatiles (µg/kg)						
60-29-7	Ethyl ether N	1,600,000	NA	NA	NA	NA
100-41-4	Ethylbenzene N	780,000	5,000	1,400,000	200	NA
87-82-1	Hexabromobenzene N	16,000	NA	NA	HA	NA
78-83-1	Isobutanol N	2,300,000	NA	NA	NA	NA
126-98-7	Methacrylonitrile N	780	NA	NA	NA	HA
74-88-4	Methyl iodide	NA	NA	NA	NA	NA
1634-04-4	Methyl tert-butyl ether N	39,000	NA	3,800,000	100	NA
74-95-3	Methylene bromide N	78,000	NA	NA	NA	NA
75-09-2	Methylene chloride C	85,000	10	16,000	10	NA
100-42-5	Styrene N	1,600,000	2,000	4,100,000	2,000	NA
127-18-4	Tetrachloroethene C	12,000	40	12,000	30	NA
109-99-9	Tetrahydrofuran	NA	NA	NA	NA	NA
108-88-3	Toluene N	1,600,000	5,000	520,000	200	NA
79-01-6	Trichloroethene C	58,000	20	6,500	10	NA
75-69-4	Trichlorofluoromethane N	2,300,000	13,000	6,600	400,000	NA
598-77-6	Trichloropropane, 1,1,2- N	39,000	140	NA	NA	NA
76-13-1	Trichlorotrifluoroethane (Freon 113) N	100,000,000	3,100,000	NA	NA	NA
108-05-4	Vinyl acetate N	7,800,000	84,000	180,000	500	NA
75-01-4	Vinyl chloride C	340	10	5	5	NA
1330-20-7	Xylene (Total) N	16,000,000	74,000	13,000,000	100	NA

Preliminary Remediation Goals (PRGs) for Soil Contaminants

CAS #	Parameter	USEPA - RBCs	USEPA - SSLs	FDEP - CGs	FDEP CGs for Leaching	NASP Reference Concentration
Volatiles (µg/kg)						
98-83-9	alpha-Methylstyrene [N]	550,000	7,500	NA	NA	NA
156-59-2	cis-1,2-Dichloroethene [N]	78,000	200	26,000	200	NA
10061-01-5	cis-1,3-Dichloropropene [C]	3,700	1	300	3	NA
99-08-1	m-Nitrotoluene [N]	78,000	420	NA	NA	NA
108-38-3	m-Xylene	16,000,000	240,000	NA	NA	NA
104-51-8	n-Butylbenzene [N]	78,000	270	NA	NA	NA
110-54-3	n-Hexane [N]	470,000	13,000	76,000	1,000	NA
88-73-3	o-Chloronitrobenzene [C]	26,000	NA	NA	NA	NA
95-49-8	o-Chlorotoluene [N]	160,000	5,600	NA	NA	NA
88-72-2	o-Nitrotoluene [N]	78,000	420	NA	NA	NA
95-47-6	o-Xylene [N]	16,000,000	150,000	NA	NA	NA
5216-25-1	p,a,a,a-Tetrachlorotoluene [C]	32	NA	NA	NA	NA
100-00-5	p-Chloronitrobenzene [C]	35,000	NA	NA	NA	NA
99-99-0	p-Nitrotoluene [N]	78,000	420	NA	NA	NA
106-42-3	p-Xylene	NA	220,000	NA	NA	NA
135-98-8	sec-Butylbenzene [N]	78,000	270	NA	NA	NA
156-60-5	trans-1,2-Dichloroethene [N]	160,000	300	62,000	300	NA
10061-02-6	trans-1,3-Dichloropropene [C]	3,700	1	300	3	NA
110-57-6	trans-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Inorganics (µg/l)							
7429-90-5	Aluminum (Al) N	NA	NA	50	200	NA	3,882.8
7440-36-0	Antimony (Sb) N	6	6	NA	NA	NA	30.2
7440-38-2	Arsenic (As) N	50	50	NA	NA	NA	2.8
7440-39-3	Barium (Ba) N	2,000	2,000	NA	NA	NA	13.2
7440-41-7	Beryllium (Be) C	4	4	NA	NA	NA	1.1
7440-43-9	Cadmium (Cd) N	5	5	NA	NA	NA	3.4
7440-70-2	Calcium (Ca)	NA	NA	NA	NA	NA	17,560
7440-47-3	Chromium (Cr) N	100	100	NA	NA	NA	35
18540-29-9	Chromium (Hexavalent) N	NA	NA	NA	NA	NA	NA
7440-48-4	Cobalt (Co) N	NA	NA	NA	NA	NA	4.1
7440-50-8	Copper (Cu) N	1,300	NA	1,000	1,000	NA	16.2
57-12-5	Cyanide (CN) N	200	200	NA	NA	NA	NA
7439-89-6	Iron (Fe) N	NA	NA	300	300	NA	1,707.8
7439-92-1	Lead (Pb)	15	15	NA	NA	NA	1.6
7439-95-4	Magnesium (Mg)	NA	NA	NA	NA	NA	2,872.6
7439-96-5	Manganese (Mn) N	NA	NA	50	50	NA	22
7439-97-6	Mercury (Hg) N	2	2	NA	NA	NA	0.2
7440-02-0	Nickel (Ni) N	100	100	NA	NA	NA	39.9
7440-09-7	Potassium (K)	NA	NA	NA	NA	NA	12,167.6
7782-49-2	Selenium (Se) N	50	50	NA	NA	NA	3.9

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Par — tu	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentratim
Inorganics (µg/l)							
7440-22-4	Silver (Ag) N	NA	NA	100	100	NA	4
7440-23-5	Sodium (Na)	NA	160,000	NA	NA	NA	18,345
7440-28-0	Thallium (Tl)	2	2	NA	NA	NA	3.6
7440-31-5	Tin (Sn) N	NA	NA	NA	NA	NA	NA
7440-62-2	Vanadium (V) N	NA	NA	NA	NA	49	9.6
7440-W-6	Zinc (Zn) N	NA	NA	5,000	5,000	NA	153.2

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Pesticides (µg/l)							
93-72-1	2,4,5-TP (Silvex) N	50	50	NA	NA	NA	NA
93-76-5	2,4,5-Trichlorophenoxyacetic ac N	NA	NA	NA	NA	NA	NA
94-75-7	2,4-Dichlorophenoxyacetic Acid N	NA	NA	NA	NA	NA	NA
72-54-8	4,4'-DDD C	NA	NA	NA	NA	0.1	NA
72-55-9	4,4'-DDE C	NA	NA	NA	NA	0.1	NA
50-29-3	4,4'-DDT C	NA	NA	NA	NA	0.1	NA
94-82-6	4-(2,4-Dichlorophenoxy)butyric N	NA	NA	NA	NA	NA	NA
309-00-2	Aldrin C	NA	NA	NA	NA	0.05	NA
12674-11-2	Aroclor-1016 N	0.5	0.5	NA	NA	NA	NA
11104-28-2	Aroclor-1221 C	0.5	0.5	NA	NA	NA	NA
11141-16-5	Aroclor-1232 C	0.5	0.5	NA	NA	NA	NA
53469-21-9	Aroclor-1242 C	0.5	0.5	NA	NA	NA	NA
12672-29-6	Aroclor-1248 C	0.5	0.5	NA	NA	NA	NA
11097-69-1	Aroclor-1254 C	0.5	0.5	NA	NA	NA	NA
11096-82-5	Aroclor-1260 C	0.5	0.5	NA	NA	NA	NA
57-74-9	Chlordane C	2	2	NA	NA	NA	NA
510-15-6	Chlorobenzilate C	NA	NA	NA	NA	0.13	NA
2303-16-4	Diallate C	NA	NA	NA	NA	0.57	NA
60-57-1	Dieldrin C	NA	NA	NA	NA	0.1	NA
60-51-5	Dimethoate N	NA	NA	NA	NA	5	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Pesticides (µg/l)							
88-85-7	Dinoseb N	7	7	NA	NA	NA	NA
298-04-4	Disulfoton W	NA	NA	NA	NA	0.5	NA
959-98-8	Endosulfan I	NA	NA	NA	NA	0.35	NA
33213-65-9	Endosulfan II N	NA	NA	NA	NA	0.35	NA
1031-07-8	Endosulfan sulfate N	NA	NA	NA	NA	0.3	NA
72-20-8	Endrin N	2	2	NA	NA	NA	NA
7421-93-4	Endrin aldehyde N	NA	NA	NA	NA	0.1	NA
53494-70-5	Endrin ketone N	NA	NA	NA	NA	NA	NA
52-85-7	Famphur	NA	NA	NA	NA	NA	NA
76-44-8	Heptachlor C	0.4	0.4	NA	NA	NA	NA
1024-57-3	Heptachlor epoxide C	0.2	0.2	NA	NA	NA	NA
465-73-6	Isodrin P	NA	NA	NA	NA	NA	NA
143-50-0	Kepone C	NA	NA	NA	NA	NA	NA
72-43-5	Methoxychlor N	40	40	NA	NA	NA	NA
298-00-0	Methyl parathion N	NA	NA	NA	NA	10	NA
126-68-1	O,O,O-Triethylphosphorothioate	NA	NA	NA	NA	NA	NA
56-38-2	Parathion N	NA	NA	NA	NA	42	NA
298-02-2	Phorate N	NA	NA	NA	NA	1.4	NA
3689-24-5	Sulfotep N	NA	NA	NA	NA	3.5	NA
297-97-2	Thionazin	NA	NA	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Pesticides (µg/l)							
8001-35-2	Toxaphene [C]	3	3	NA	NA	NA	NA
319-84-6	alpha-BHC [C]	NA	NA	NA	NA	0.05	NA
5103-71-9	alpha-Chlordane [C]	2	2	NA	NA	NA	NA
319-85-7	beta-BHC [C]	NA	NA	NA	NA	0.1	NA
319-86-8	delta-BHC [C]	NA	NA	NA	NA	0.05	NA
58-89-9	gamma-BHC (Lindane) [C]	0.2	0.2	NA	NA	NA	NA
5103-74-2	gamma-Chlordane	2	2	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Semivolatiles (µg/l)							
634-66-2	1,2,3,4-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
634-90-2	1,2,3,5-Tetrachlorobenzene	NA	NA	NA	NA	NA	NA
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA	NA	NA	NA
95-94-3	1,2,4,5-Tetrachlorobenzene N	NA	NA	NA	NA	4	NA
120-82-1	1,2,4-Trichlorobenzene	70	70	NA	NA	NA	NA
95-50-1	1,2-Dichlorobenzene N	600	600	NA	NA	NA	NA
108-70-3	1,3,5-Trichlorobenzene	NA	NA	NA	NA	NA	NA
99-35-4	1,3,5-Trinitrobenzene N	NA	NA	NA	NA	60	NA
541-73-1	1,3-Dichlorobenzene N	600	NA	NA	NA	10	NA
99-65-0	1,3-Dinitrobenzene N	NA	NA	NA	NA	50	NA
106-46-7	1,4-Dichlorobenzene C	75	75	NA	NA	NA	NA
130-15-4	1,4-Naphthoquinone	NA	NA	NA	NA	NA	NA
90-13-1	1-Chloronapthalene	NA	NA	NA	NA	NA	NA
90-12-0	1-Methylnaphthalene N	NA	NA	NA	NA	NA	NA
134-32-7	1-Naphthylamine	NA	NA	NA	NA	NA	NA
108-60-1	2,2'-oxybis(1-Chloropropane)	NA	NA	NA	NA	NA	NA
58-90-2	2,3,4,6-Tetrachlorophenol N	NA	NA	NA	NA	210	NA
95-95-4	2,4,5-Trichlorophenol	NA	NA	NA	NA	4	NA
88-06-2	2,4,6-Trichlorophenol	NA	NA	NA	NA	10	NA
120-83-2	2,4-Dichlorophenol N	NA	NA	NA	NA	4	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Semivolatiles (µg/l)							
105-67-9	2,4-Dimethylphenol [N]	NA	NA	NA	NA	400	NA
51-28-5	2,4-Dinitrophenol	NA	NA	NA	NA	30	NA
121-14-2	2,4-Dinitrotoluene	NA	NA	NA	NA	0.2	NA
87-65-0	2,6-Dichlorophenol [N]	NA	NA	NA	NA	4	NA
606-20-2	2,6-Dinitrotoluene [N]	NA	NA	NA	NA	0.2	NA
91-58-7	2-Chloronaphthalene [N]	NA	NA	NA	NA	560	NA
95-57-8	2-Chlorophenol	NA	NA	NA	NA	35	NA
99-55-8	2-Methyl-5-nitroaniline	NA	NA	NA	NA	NA	NA
636-21-5	2-Methylaniline hydrochloride [C]	NA	NA	NA	NA	NA	NA
91-57-6	2-Methylnaphthalene [N]	NA	NA	NA	NA	NA	NA
95-48-7	2-Methylphenol (o-Cresol)	NA	NA	NA	NA	350	NA
91-59-8	2-Naphthylamine	NA	NA	NA	NA	NA	NA
88-74-4	2-Nitroaniline	NA	NA	NA	NA	7.5	NA
88-75-5	2-Nitrophenol [N]	NA	NA	NA	NA	20	NA
109-06-8	2-Picoline	NA	NA	NA	NA	NA	NA
91-94-1	3,3'-Dichlorobenzidine [C]	NA	NA	NA	NA	7.5	NA
119-90-4	3,3'-Dimethoxybenzidine [C]	NA	NA	NA	NA	250	NA
119-93-7	3,3-Dimethylbenzidine [C]	NA	NA	NA	NA	250	NA
56-49-5	3-Methylcholanthrene	NA	NA	NA	NA	NA	NA
108-39-4	3-Methylphenol (m-Cresol)	NA	NA	NA	NA	350	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Semivolatiles (µg/l)							
99-09-2	3-Nitroaniline [N]	NA	NA	NA	NA	NA	NA
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA
92-67-1	4-Aminobiphenyl	NA	NA	NA	NA	NA	NA
101-55-3	4-Bromophenyl-phenylether [N]	NA	NA	NA	NA	NA	NA
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA	NA	3,000	NA
106-47-8	4-Chloroaniline [N]	NA	NA	NA	NA	28	NA
7005-72-3	4-Chlorophmylphcnylethcr	NA	NA	NA	NA	10	NA
106-44-5	4-Methylphenol (p-Cresol) [N]	NA	NA	NA	NA	35	NA
100-01-6	4-Nitroaniline [N]	NA	NA	NA	NA	NA	NA
100-02-7	4-Nitrophenol [N]	NA	NA	NA	NA	15	NA
56-57-5	4-Nitroquinoline 1-oxide	NA	NA	NA	NA	NA	NA
57-97-6	7,12-Dimethybenz(a)anthracene [C]	NA	NA	NA	NA	NA	NA
83-32-9	Acenaphthene [N]	NA	NA	NA	NA	20	NA
208-96-8	Acenaphthylene [N]	NA	NA	NA	NA	10	NA
53-96-3	Acetamidofluorene	NA	NA	NA	NA	NA	NA
98-86-2	Acetophenone [N]	NA	NA	NA	NA	700	NA
62-53-3	Aniline [C]	NA	NA	NA	NA	6	NA
120-12-7	Anthracene [N]	NA	NA	NA	NA	2,100	NA
140-57-8	Aramite [C]	NA	NA	NA	NA	NA	NA
103-33-3	Azobenzene	NA	NA	NA	NA	4	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Semivolatiles (µg/l)							
98-87-3	Benzal chloride	NA	NA	NA	NA	NA	NA
101-14-4	Benzenamine, 4,4'-methylenebis[C	NA	NA	NA	NA	50	NA
92-87-5	Benzidine C	NA	NA	NA	NA	250	NA
56-55-3	Benzo(a)anthracene	NA	NA	NA	NA	4	NA
50-32-8	Benzo(a)pyrene	2	0.2	NA	NA	NA	NA
205-99-2	Benzo(b)fluoranthene	NA	NA	NA	NA	4	NA
191-24-2	Benzo(g,h,i)perylene N	NA	NA	NA	NA	10	NA
207-08-9	Benzo(k)fluoranthene	NA	NA	NA	NA	4	NA
65-85-0	Benzoic acid N	NA	NA	NA	NA	28,000	NA
98-07-7	Benzotrichloride C	NA	NA	NA	NA	NA	NA
100-51-6	Benzyl alcohol N	NA	NA	NA	NA	2,100	NA
39638-32-9	Bis(2-Chloroisopropyl)Ether C	NA	NA	NA	NA	7.5	NA
85-68-7	Butylbenzylphthalate N	NA	NA	NA	NA	1,400	NA
86-74-8	Carbazole	NA	NA	NA	NA	7.5	NA
218-01-9	Chrysm	NA	NA	NA	NA	5	NA
6055-19-2	Cyclophosphamide	NA	NA	NA	NA	NA	NA
84-74-2	Di-n-butylphthalate N	NA	NA	NA	NA	700	NA
117-84-0	Di-n-octyl phthalate N	NA	NA	NA	NA	140	NA
53-70-3	Dibenz(a,h)anthracene	NA	NA	NA	NA	7.5	NA
224-42-0	Dibenzo(a,j)acridine	NA	NA	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Semivolatiles (µg/l)							
132-64-9	Dibenzofuran [N]	NA	NA	NA	NA	NA	NA
84-66-2	Diethylphthalate [N]	NA	NA	NA	NA	5,600	NA
131-11-3	Dimethyl phthalate [N]	NA	NA	NA	NA	70,000	NA
122-39-4	Diphenylamine [T]	NA	NA	NA	NA	175	NA
97-63-2	Ethyl methacrylate [N]	NA	NA	NA	NA	630	NA
62-50-0	Ethyl methanesulfonate	NA	NA	NA	NA	NA	NA
206-44-0	Fluoranthene	NA	NA	NA	NA	280	NA
86-73-7	Fluorene [N]	NA	NA	NA	NA	280	NA
118-74-1	Hexachlorobenzene	1	1	NA	NA	NA	NA
87-68-3	Hexachlorobutadiene [C]	NA	NA	NA	NA	15	NA
77-47-4	Hexachlorocyclopentadiene [N]	50	50	NA	NA	NA	NA
67-72-1	Hexachloroethane [C]	NA	NA	NA	NA	10	NA
70-30-4	Hexachlorophene [N]	NA	NA	NA	NA	6	NA
1888-71-7	Hexachloropropene	NA	NA	NA	NA	NA	NA
122-66-7	Hydrazine, 1,2-diphenyl [C]	NA	NA	NA	NA	10	NA
193-39-5	Indeno(1,2,3-cd)pyrene	NA	NA	NA	NA	7.5	NA
78-59-1	Isophorone [C]	NA	NA	NA	NA	40	NA
120-58-1	Isosafrole	NA	NA	NA	NA	NA	
91-80-5	Methapyrilene	NA	NA	NA	NA	NA	NA
80-62-6	Methyl methacrylate [N]	NA	NA	NA	NA	25	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Semivolatiles (µg/l)							
66-27-3	Methyl methanesulfonate	NA	NA	NA	NA	NA	NA
924-16-3	N-Nitroso-di-n-butylamine C	NA	NA	NA	NA	4	NA
621-64-7	N-Nitroso-di-n-propylamine C	NA	NA	NA	NA	4	NA
55-18-5	N-Nitrosodiethylamine C	NA	NA	NA	NA	4	NA
62-75-9	N-Nitrosodimethylamine C	NA	NA	NA	NA	7.5	NA
86-30-6	N-Nitrosodiphenylamine C	NA	NA	NA	NA	7	NA
10595-95-6	N-Nitrosomethylethylamine C	NA	NA	NA	NA	7.5	NA
59-89-2	N-Nitrosomorpholine	NA	NA	NA	NA	NA	NA
100-75-4	N-Nitrosopiperidine	NA	NA	NA	NA	NA	NA
930-55-2	N-Nitrosopyrrolidine C	NA	NA	NA	NA	4	NA
91-20-3	Naphthalene N	NA	NA	NA	NA	6.8	NA
98-95-3	Nitrobenzene N	NA	NA	NA	NA	9.5	NA
123-63-7	Paraldehyde	NA	NA	NA	NA	NA	NA
608-93-5	Pentachlorobenzene N	NA	NA	NA	NA	5.6	NA
76-01-7	Pentachloroethane	NA	NA	NA	NA	NA	NA
82-68-8	Pentachloronitrobenzene C	NA	NA	NA	NA	15	NA
87-86-5	Pentachlorophenol C	1	1	NA	NA	NA	NA
62-44-2	Phenacetin	NA	NA	NA	NA	NA	NA
85-01-8	Phenanthrene N	NA	NA	NA	NA	10	NA
108-95-2	Phenol N	NA	NA	NA	NA	10	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Semivolatiles (µg/l)							
23950-58-5	Pronamide [N]	NA	NA	NA	NA	525	NA
129-00-0	Pyrene [N]	NA	NA	NA	NA	210	NA
110-86-1	Pyridine [N]	NA	NA	NA	NA	7	NA
94-59-7	Safrole	NA	NA	NA	NA	NA	NA
122-09-8	alpha, alpha-Dimethylphenethyla	NA	NA	NA	NA	NA	NA
111-91-1	bis(2-Chloroethoxy)methane	NA	NA	NA	NA	10	NA
111-44-4	bis(2-Chloroethyl)ether [C]	NA	NA	NA	NA	1.5	NA
117-81-7	bis(2-Ethylhexyl)phthalate (BEH [C]	NA	NA	NA	NA	NA	NA
95-53-4	o-Toluidine [C]	NA	NA	NA	NA	50	NA
60-11-7	p-Dimethylaminoazobenzene	NA	NA	NA	NA	NA	NA
106-50-3	p-Phenylenediamine [N]	NA	NA	NA	NA	1,330	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Volatiles (µg/l)							
106-93-4	1, 2-Dibromoethane C	0.02	0.02	NA	NA	NA	NA
630-20-6	1,1,1,2-Tetrachloroethane C	NA	NA	NA	NA	1	NA
811-97-2	1,1,1,2-Tetrafluoroethane	NA	NA	NA	NA	NA	NA
71-55-6	1,1,1-Trichloroethane N	200	200	NA	NA	NA	NA
354-58-5	1,1,1-trichlora-2,2,2-triflorom	NA	NA	NA	NA	NA	NA
79-34-5	1,1,2,2-Tetrachloroethane C	NA	NA	NA	NA	NA	NA
76-13-1	1,1,2-Trichloro-1,2,2- trifluor N	NA	NA	NA	NA	NA	NA
79-00-5	1,1,2-Trichloroethane C	5	5	NA	NA	NA	NA
598-77-6	1,1,2-Trichloropropane N	NA	NA	NA	NA	NA	NA
75-34-3	1,1-Dichloroethane N	NA	NA	NA	NA	700	NA
75-35-4	1,1-Dichloroethene C	7	7	NA	NA	NA	NA
75-37-6	1,1-Difluoroethane	NA	NA	NA	NA	NA	NA
96-18-4	1,2,3-Trichloropropane C	NA	NA	NA	NA	42	NA
96-19-5	1,2,3-Trichloropropene N	NA	NA	NA	NA	NA	NA
615-54-3	1,2,4-Tribromobenzene N	NA	NA	NA	NA	NA	NA
120-82-1	1,2,4-Trichlorobenzene N	70	70	NA	NA	NA	NA
96-12-8	1,2-Dibromo-3-Chloropropane C	0.2	0.2	NA	NA	NA	NA
107-06-2	1,2-Dichloroethane C	5	3	NA	NA	NA	NA
540-59-0	1,2-Dichloroethene (total) N	70	70	NA	NA	NA	NA
78-87-5	1,2-Dichloropropane C	5	5	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Volatiles (µg/l)							
106-99-0	**1,3-Butadiene**	NA	NA	NA	NA	NA	NA
542-75-6	**1,3-Dichloropropene** C	NA	NA	NA	NA	1	NA
106-37-6	**1,4-Dibromobenzene** N	NA	NA	NA	NA	NA	NA
764-41-0	**1,4-Dichloro-2-butene**	NA	NA	NA	NA	NA	NA
123-91-1	**1,4-Dioxane** C	NA	NA	NA	NA	5	NA
75-68-3	1-Chloro-1,1-difluoroethane	NA	NA	NA	NA	NA	NA
109-69-3	1-Chlorobutane N	NA	NA	NA	NA	NA	NA
78-93-3	2-Butanone (MEK) N	NA	NA	NA	NA	4,200	NA
126-99-8	**2-Chloro-1,3-butadiene** N	NA	NA	NA	NA	NA	NA
110-75-8	2-Chloroethyl vinyl ether N	NA	NA	NA	NA	1	NA
75-29-6	2-Chloropropane	NA	NA	NA	NA	NA	NA
591-78-6	2-Hexanone	NA	NA	NA	NA	NA	NA
101-68-8	**4,4'-Methylenediphenyl** isocyana	NA	NA	NA	NA	NA	NA
108-10-1	4-Methyl-2-Pentanone (MIBK) N	NA	NA	NA	NA	350	NA
67-64-1	Acetone N	NA	NA	NA	NA	700	NA
75-05-8	**Acetonitrile** N	NA	NA	NA	NA	500	NA
107-02-8	Acrolein N	NA	NA	NA	NA	110	NA
107-13-1	Acrylonitrile C	NA	NA	NA	NA	8	NA
107-05-1	Allyl chloride N	NA	NA	NA	NA	NA	NA
100-52-7	Benzaldehyde N	NA	NA	NA	NA	700	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Volatiles (µg/l)							
71-43-2	Benzene [C]	5	1	NA	NA	1	NA
95-63-6	Benzene, 1,2,4-trimethyl [N]	NA	NA	NA	NA	10	NA
108-67-8	Benzene, 1,3,5-trimethyl- [N]	NA	NA	NA	NA	10	NA
100-44-7	Benzyl chloride [C]	NA	NA	NA	NA	0.5	NA
542-88-1	Bis(chloromethyl)ether [C]	NA	NA	NA	NA	10	NA
75-27-4	Bromodichloromethane [C]	100	NA	NA	NA	0.6	NA
593-60-2	Bromoethene	NA	NA	NA	NA	NA	NA
75-25-2	Bromoform [C]	100	NA	NA	NA	4	NA
74-83-9	Bromomethane [N]	NA	NA	NA	NA	10	NA
75-15-0	Carbon disulfide [N]	NA	NA	NA	NA	700	NA
56-23-5	Carbon tetrachloride [C]	5	3	NA	NA	3	NA
108-90-7	Chlorobenzene [N]	NA	NA	NA	NA	NA	NA
75-00-3	Chloroethane [N]	NA	NA	NA	NA	140	NA
67-66-3	Chloroform [C]	100	NA	NA	NA	6	NA
74-87-3	Chloromethane [C]	NA	NA	NA	NA	27	NA
1476-11-5	Cis-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA
4170-30-3	Crotonaldehyde	NA	NA	NA	NA	NA	NA
108-94-1	Cyclohexanone [N]	NA	NA	NA	NA	35,000	NA
1163-19-5	Decabromodiphenyl ether [N]	NA	NA	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Volatiles (µg/l)							
124-48-1	Dibromochloromethane [C]	NA	NA	NA	NA	1	NA
75-71-8	Dichlorodifluoromethane [N]	NA	NA	NA	NA	1,400	NA
77-73-6	Dicyclopentadiene [N]	NA	NA	NA	NA	NA	NA
60-29-7	Diethyl ether [N]	NA	NA	NA	NA	750	NA
107-12-0	Ethyl cyanide	NA	NA	NA	NA	NA	NA
100-41-4	Ethylbenzene [N]	700	700	NA	30	NA	NA
87-82-1	Hexabromobenzene [N]	NA	NA	NA	NA	NA	NA
78-83-1	Isobutyl alcohol [N]	NA	NA	NA	NA	2,100	NA
126-98-7	Methacrylonitrile [N]	NA	NA	NA	NA	50	NA
74-88-4	Methyl iodide	NA	NA	NA	NA	NA	NA
98-83-9	Methyl styrene (alpha) [N]	NA	NA	NA	NA	NA	NA
25013-15-4	Methyl styrene (mixture) [N]	NA	NA	NA	NA	NA	NA
1634-04-4	Methyl tert-butyl ether [N]	NA	NA	NA	NA	50	NA
74-95-3	Methylene bromide [N]	NA	NA	NA	NA	NA	NA
75-09-2	Methylene chloride [C]	5	5	NA	NA	NA	NA
100-42-5	[illegible] [N]	100	100	NA	NA	NA	NA
127-18-4	Tetrachloroethene [C]	5	3	NA	NA	NA	NA
109-99-9	Tetrahydrofuran	NA	NA	NA	NA	NA	NA
108-88-3	Toluene [N]	1,000	1,000	NA	40	NA	NA
79-01-6	Trichloroethene [C]	5	3	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Groundwater Contaminants

CAS #	Parameter	EPA MCLs	FPDWS	EPA SMCL	FSDWS	FCCG	NASP Reference Concentration
Volatiles (µg/l)							
75-69-4	Trichlorofluoromethane N	NA	NA	NA	NA	2,100	NA
108-05-4	Vinyl acetate N	NA	NA	NA	NA	250	NA
75-01-4	Vinyl chloride C	2	1	NA	NA	NA	NA
1330-20-7	Xylene (Total) N	10,000	10,000	NA	20	NA	NA
156-59-2	cis-1,2-Dichloroethene N	70	70	NA	NA	NA	NA
10061-01-5	cis-1,3-Dichloropropene C	NA	NA	NA	NA	1	NA
99-08-1	m-Nitrotoluene N	NA	NA	NA	NA	NA	NA
108-38-3	m-Xylene	10,000	10,000	NA	20	NA	NA
110-54-3	n-Hexane N	NA	NA	NA	NA	10	NA
95-49-8	o-Chlorotoluene N	NA	NA	NA	NA	140	NA
88-72-2	o-Nitrotoluene N	NA	NA	NA	NA	NA	NA
95-47-6	o-Xylene N	10,000	10,000	NA	20	NA	NA
5216-25-1	p,a,a,a-Tetrachlorotoluene C	NA	NA	NA	NA	NA	NA
99-99-0	p-Nitrotoluene N	NA	NA	NA	NA	NA	NA
106-42-3	p-Xylene	10,000	10,000	NA	20	NA	NA
135-98-8	sec-Butylbenzene N	NA	NA	NA	NA	NA	NA
104-51-8	tert-Butylbenzene N	NA	NA	NA	NA	NA	NA
156-60-5	trans-1,2-Dichloroethene N	100	100	NA	NA	NA	NA
10061-02-6	trans-1,3-Dichloropropene C	NA	NA	NA	NA	1	NA
110-57-6	trans-1,4-Dichloro-2-butene	NA	NA	NA	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Inorganics (mg/kg)				
7429-90-5	Aluminum (Al) N	NA	NA	NA
7440-36-0	Antimony (Sb) N	12	NA	NA
7440-38-2	Arsenic (As) N	7.24	7.24	NA
7440-39-3	Barium (Ba) N	NA	NA	NA
7440-41-7	Beryllium (Be) C	NA	NA	NA
7440-43-9	Cadmium (Cd) N	1	0.676	NA
7440-70-2	Calcium (Ca)	NA	NA	NA
7440-47-3	Chrmiun (Cr) N	52.3	52.3	NA
18540-29-9	Chrmiun (Hexavalent) W	NA	NA	NA
7440-48-4	Cobalt (Co) N	NA	NA	NA
7440-50-8	Copper (Cu) W	18.7	18.7	NA
57-12-5	Cyanide (CN) N	NA	NA	NA
7439-89-6	Iron (Fe) W	NA	NA	NA
7439-92-1	Lead (Pb)	30.2	30.2	NA
7439-95-4	Magnesium (Mg)	NA	NA	NA
7439-96-5	Manganese (Mn) W	NA	NA	NA
7439-97-6	Mercury (Hg) N	0.13	0.13	NA
7440-02-0	Nickel (Ni) N	15.9	15.9	NA
7440-09-7	Potassiun (K)	NA	NA	NA
7782-49-2	Selenium (Se) N	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Inorganics (mg/kg)				
7440-22-4	Silver (Ag) N	2	0.733	NA
7440-23-5	Sodium (Na)	NA	NA	NA
7440-28-0	Thallium (Tl)	NA	NA	NA
7440-31-5	Tin (Sn)	NA	NA	NA
7440-62-2	Vanadium (V)	NA	NA	NA
7440-66-6	Zinc (Zn) N	124	124	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Pesticides (µg/kg)				
93-76-5	2,4,5-Trichlorophenoxyacetic ac N	NA	NA	NA
94-75-7	2,4-Dichlorophenoxyacetic Acid N	NA	NA	NA
93-72-1	2-(2,4,5-Trichlorophenoxy)propi N	NA	NA	NA
72-54-8	4,4'-DDD C	3.3	1.22	NA
72-55-9	4,4'-DDE C	3.3	2.07	NA
50-29-3	4,4'-DDT C	3.3	1.19	NA
94-82-6	4-(2,4-Dichlorophenoxy)butyric N	NA	NA	NA
309-00-2	Aldrin C	NA	NA	NA
12674-11-2	Aroclor-1016 N	33	21.6	NA
11104-28-2	Aroclor-1221 C	21.6	67	NA
11141-16-5	Aroclor-1232 C	21.6	33	NA
53469-21-9	Aroclor-1242 C	21.6	33	NA
12672-29-6	Aroclor-1248 C	21.6	33	NA
11097-69-1	Aroclor-1254 N	21.6	33	NA
11096-82-5	Aroclor-1260 C	21.6	33	NA
57-74-9	Chlordane C	1.7	2.26	NA
510-15-6	Chlorobenzilate C	NA	NA	NA
2303-16-4	Diallate C	NA	NA	NA
60-57-1	Dieldrin C	3.3	0.715	NA
60-51-5	Dimethoate N	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Pesticides (µg/kg)				
	N			
	N			
	N			
	N			
	C			
	C			
	P			
126-68-1	O,O,O-Triethylphosphorothioate	NA	NA	NA
56-38-2	Parathion	NA	NA	NA
298-02-2	Phorate N	NA	NA	NA
3689-24-5	Tetraethyldithiopyrophosphate N	NA	NA	NA
297-97-2	Thionazin	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Pesticides (µg/kg)				
8001-35-2	Toxaphene [C]	NA	NA	NA
319-84-6	alpha-BHC [C]	NA	NA	NA
5103-71-9	alpha-Chlordane [C]	NA	NA	NA
319-85-7	beta-BHC [C]	NA	NA	NA
319-86-8	delta-BHC [C]	MA	NA	NA
58-89-9	gamma-BHC (Lindane) [C]	3.3	0.32	NA
5103-74-2	gamma-Chlordane [C]	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Semivolatiles (µg/kg)				
634-66-2	1,2,3,4-Tetrachlorobenzene	NA	NA	NA
634-90-2	1,2,3,5-fetrachlorobenzene	NA	NA	NA
87-61-6	1,2,3-Trichlorobenzene	NA	NA	NA
95-94-3	1,2,4,5-Tetrachlorobenzene N	NA	NA	NA
120-82-1	1,2,4-Trichlorobenzene	NA	NA	NA
95-50-1	1,2-Dichlorobenzene N	NA	NA	NA
122-66-7	1,2-Diphenylhydrazine C	NA	NA	NA
108-70-3	1,3,5-Trichlorobenzene	NA	NA	NA
99-35-4	1,3,5-Trinitrobenzene N	NA	NA	NA
541-73-1	1,3-Dichlorobenzene N	NA	NA	NA
99-65-0	1,3-Dinitrobenzene N	NA	NA	NA
106-46-7	1,4-Dichlorobenzene C	NA	NA	NA
130-15-4	1,4-Naphthoquinone	NA	NA	NA
90-13-1	1-Chloronapthalene	NA	NA	NA
90-12-0	1-Methylnaphthalene N	NA	NA	NA
134-32-7	1-Naphthylamine	NA	NA	NA
108-60-1	2,2'-oxybis(1-Chloropropane)	NA	NA	NA
58-90-2	2,3,4,6-Tetrachlorophenol N	NA	NA	NA
95-95-4	2,4,5-Trichlorophenol N	NA	NA	NA
88-06-2	2,4,6-Trichlorophenol C	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Semivolatiles (µg/kg)				
120-83-2	**2,4-Dichlorophenol** N	WA	NA	NA
105-67-9	**2,4-Dimethylphenol** N	NA	NA	NA
51-28-5	2,4-Dinitrophenol N	NA	NA	NA
121-14-2	**2,4-Dinitrotoluene** N	NA	WA	NA
87-65-0	**2,6-Dichlorophenol** N	NA	NA	NA
606-20-2	**2,6-Dinitrotoluene** N	NA	NA	NA
91-58-7	2-Chloronaphthalene N	MA	NA	NA
95-57-8	2-Chlorophenol N	NA	NA	NA
99-55-8	2-Methyl-5-nitroaniline C	NA	MA	NA
95-53-4	2-Methylaniline C	NA	NA	NA
636-21-5	2-Methylaniline hydrochloride C	NA	NA	NA
91-57-6	2-Methylnaphthalene N	330	20.2	NA
95-48-7	**2-Methylphenol** (0-Cresol) A	NA	NA	NA
91-59-8	2-Naphthylamine C	NA	NA	NA
88-74-4	2-Nitroaniline N	NA	NA	NA
88-75-5	2-Mitrophenol N	NA	NA	MA
109-06-8	2-Pic01ine	NA	NA	NA
91-94-1	**3,3'-Dichlorobenzidine** C	NA	NA	NA
119-90-4	3,3'-Dimethoxybenzidine C	NA	NA	NA
119-93-7	**3,3'-Dimethylbenzidine** C	NA	NA	WA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentratim
Semivolatiles (µg/kg)				
56-49-5	3-Methylcholanthrene	NA	NA	NA
108-39-4	3-Methylphenol (m-Cresol)	NA	NA	NA
99-09-2	3-Nitroaniline N	NA	NA	NA
101-14-4	4,4'-Methylene bis(2-chloroanil C	NA	NA	NA
534-52-1	4,6-Dinitro-2-methylphenol	NA	NA	NA
92-67-1	4-hinobiphenyl	NA	NA	NA
101-55-3	4-Bromophenyl-phenylether N	NA	NA	NA
59-50-7	4-Chloro-3-methylphenol	NA	NA	NA
106-47-8	4-Chloroaniline N	NA	NA	NA
7005-72-3	4-Chlorophenyl-phenylether	NA	NA	NA
106-44-5	4-Methylphenol (p-Cresol) N	NA	NA	NA
100-01-6	4-Nitroaniline N	NA	NA	NA
100-02-7	4-Nitrophenol N	NA	NA	NA
56-57-5	4-Nitroquinoline 1-oxide	NA	NA	NA
57-97-6	7,12-Dimethybenz(a)anthracene C	NA	NA	NA
83-32-9	Acmaphthene N	330	6.71	NA
208-96-8	Acenaphthylene N	330	5.87	NA
53-96-3	Acetamidofluorene	NA	NA	NA
98-86-2	Acetophenone N	NA	NA	NA
62-53-3	Aniline	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Semivolatiles (µg/kg)				
120-12-7	Anthracene N	330	46.9	NA
140-57-8	Aramite C	NA	NA	NA
103-33-3	Azobenzene C	NA	NA	NA
98-87-3	Benzal chloride	NA	NA	NA
92-87-5	Benzidine C	NA	NA	NA
56-55-3	Benzo(a)anthracene	330	74.8	NA
50-32-8	Benzo(a)pyrene	330	88.8	NA
205-99-2	Benzo(b)fluoranthcne	NA	NA	NA
191-24-2	Benzo(g,h,i)perylene N	NA	NA	NA
207-08-9	Benzo(k)fluoranthene	NA	NA	NA
65-85-0	Benzoic acid N	NA	NA	NA
98-07-7	Benzotrichloride C	NA	NA	NA
100-51-6	Benzyl alcohol N	NA	NA	NA
39638-32-9	Bis(2-Chloroisopropyl)Ether C	NA	NA	NA
85-68-7	Butylbenzylphthalate N	NA	NA	NA
86-74-8	Carbazole	NA	NA	NA
218-01-9	Chrysene	330	108	NA
6055-19-2	Cyclophosphamide	NA	NA	NA
84-74-2	Di-n-butylphthalate N	NA	NA	NA
117-84-0	Di-n-octyl phthalate N	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Semivolatiles (µg/kg)				
53-70-3	Dibenz(a,h)anthracene	330	6.22	NA
224-42-0	Dibenzo(a,j)acridine	NA	NA	NA
132-64-9	Dibenrofuran N	NA	NA	NA
84-66-2	Diethylphthalate N	NA	NA	NA
131-11-3	Dimethyl phthalate N	NA	NA	NA
122-39-4	Diphenylamine N	NA	NA	NA
97-63-2	Ethyl methacrylate N	NA	NA	NA
62-50-0	Ethyl methanesulfonate	NA	NA	NA
206-44-0	Fluoranthene N	330	113	NA
86-73-7	Fluorene N	330	21.2	NA
118-74-1	Hexachlorobenzene C	NA	NA	NA
87-68-3	Hexachlorobutadiene C	NA	NA	NA
77-47-4	Hexachlorocyclopentadiene N	NA	NA	NA
67-72-1	Hexachloroethane C	NA	NA	NA
70-30-4	Hexachlorophene N	NA	NA	NA
1888-71-7	Hexachloropropene	NA	NA	NA
193-39-5	Indeno(1,2,3-cd)pyrene	NA	NA	NA
78-59-1	Isophorone C	NA	NA	NA
120-58-1	Isosafrole	NA	NA	NA
91-80-5	Methapyrilene	NA	NA	NA

CAS #	Parameter	EPA SSVs		NASP Reference Concentration
80-62-6	Methyl methacrylate [N]	NA	NA	NA
66-27-3	Methyl methanesulfonate	NA	NA	NA
10595-95-6	N-Nitroso-N-methylethylmine [C]	NA	NA	NA
621-64-7	N-Nitroso-di-n-propylamine [C]	NA	NA	NA
924-16-3	N-Nitrosodi-n-butylamine [C]	NA	NA	NA
55-18-5	N-Nitrosodiethylamine [C]	NA	NA	NA
62-75-9	N-Nitrosodimethylmine [C]	NA	NA	NA
86-30-6	N-Nitrosodiphenylamine [C]	NA	NA	NA
59-89-2	N-Nitrosomorpholine	NA	NA	NA
100-75-4	N-Nitrosopiperidine	NA	NA	NA
930-55-2	N-Nitrosopyrrolidine [C]	NA	NA	NA
91-20-3	Naphthalene [N]	330	34.6	NA
98-95-3	Nitrobenzene [N]	NA	NA	NA
123-63-7	Paraldehyde	NA	NA	NA
608-93-5	Pentachlorobenzene [N]	NA	NA	NA
76-01-7	Pentachloroethane	NA	NA	NA
82-68-8	Pentachloronitrobenzene [C]	NA	NA	NA
87-86-5	Pentachlorophenol [C]	NA	NA	NA
62-44-2	Phenacetin	NA	NA	NA
85-01-8	Phenanthrene [N]	330	86.7	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentratim
Semivolatiles (µg/kg)				
108-95-2	Phenol [N]	NA	NA	NA
23950-58-5	Pronamide [N]	NA	NA	NA
129-00-0	Pyrene [N]	330	153	NA
110-86-1	Pyridine [N]	NA	NA	NA
94-59-7	Safrole	NA	NA	NA
122-09-8	alpha, alpha-Dimethylphenethyla	NA	NA	NA
111-91-1	bis(2-Chloroethoxy)methane	NA	NA	NA
111-44-4	bis(2-Chloroethyl)ether [C]	NA	NA	NA
117-81-7	bis(2-Ethylhexyl)phthalate (BEH [C]	182	182	NA
60-11-7	p-Dimethylaminoazobenzene	NA	NA	NA
106-50-3	p-Phenylenediamine [N]	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Volatiles (µg/kg)				
630-20-6	1,1,1,2-Tetrachloroethane C	NA	NA	NA
811-97-2	1,1,1,2-Tetrafluoroethane	NA	NA	NA
71-55-6	1,1,1-Trichloroethane N	NA	NA	NA
354-58-5	1,1,1-trichlora-2,2,2-triflorom	NA	NA	NA
79-34-5	1,1,2,2-Tetrachloroethane C	NA	NA	NA
76-13-1	1,1,2-Trichloro-1,2,2- trifluor N	NA	NA	NA
79-00-5	1,1,2-Trichloroethane C	NA	NA	NA
598-77-6	1,1,2-Trichloropropane N	NA	NA	NA
75-34-3	1,1-Dichloroethane N	NA	NA	NA
75-35-4	1,1-Dichloroethylene C	NA	NA	NA
75-37-6	1,1-Difluoroethane	NA	NA	NA
96-18-4	1,2,3-Trichloropropane C	NA	NA	NA
96-19-5	1,2,3-Trichloropropene N	NA	NA	NA
615-54-3	1,2,4-Tribromobenzene N	NA	NA	NA
120-82-1	1,2,4-Trichlorobenzene N	NA	NA	NA
95-63-6	1,2,4-Trimethylbenzene N	NA	NA	NA
96-12-8	1,2-Dibromo-3-chloropropane C	NA	NA	NA
106-93-4	1,2-Dibromoethane C	NA	NA	NA
107-06-2	1,2-Dichloroethane C	NA	NA	NA
540-59-0	1,2-Dichloroethene (total) N	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Volatiles (µg/kg)				
156-59-2	**1,2-Dichloroethylene** (cis) N	NA	NA	NA
156-60-5	**1,2-Dichloroethylene** (trans) N	NA	NA	NA
78-87-5	1,2-Dichloropropane C	NA	NA	NA
108-67-8	**1,3,5-Trimethylbenzene** N	NA	NA	NA
106-99-0	**1,3-Butadiene**	NA	NA	NA
542-75-6	**1,3-Dichloropropene** C	NA	NA	NA
106-37-6	**1,4-Dibromobenzene** N	NA	NA	NA
764-41-0	**1,4-Dichloro-2-butene**	NA	NA	NA
123-91-1	1,4-Dioxane C	NA	NA	NA
75-68-3	1-Chloro-1,1-difluoroethane	NA	NA	NA
109-69-3	1-Chlorobutane N	NA	NA	NA
78-93-3	2-Butanom (MEK) N	NA	NA	NA
126-99-8	**2-Chloro-1,3-butadiene** N	NA	NA	NA
110-75-8	2-Chlorocthyl vinyl ether N	NA	NA	NA
75-29-6	2-Chloropropane	NA	NA	NA
591-78-6	2-Hexanom	NA	NA	NA
101-68-8	**4,4'-Methylenediphenyl isocyana**	NA	NA	NA
108-10-1	4-Methyl-2-Pentanone (MIBK) N	NA	NA	NA
67-64-1	Acetone N	NA	NA	NA
75-05-8	Acetonitrile N	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Volatiles (µg/kg)				
107-02-8	Acrolein [N]	NA	NA	NA
107-13-1	Acrylonitrile [C]	NA	NA	NA
107-05-1	Allyl chloride [N]	NA	NA	NA
100-52-7	Benzaldehyde [N]	NA	NA	NA
71-43-2	Benzene [C]	NA	NA	NA
100-44-7	Benzyl chloride [C]	NA	NA	NA
542-88-1	Bis(chloromethyl)ether [C]	NA	NA	NA
75-27-4	Bromodichloromethane [C]	NA	NA	NA
593-60-2	Bromoethene	NA	NA	NA
75-25-2	Bromoform [C]	NA	NA	NA
74-83-9	Bromomethane [N]	NA	NA	NA
56-23-5	Carbon Tetrachloride [C]	NA	NA	NA
75-15-0	Carbon disulfide [N]	NA	NA	NA
108-90-7	Chlorobenzene [N]	NA	NA	NA
75-45-6	Chlorodifluoromethane	NA	NA	NA
75-00-3	Chloroethane [N]	NA	NA	NA
67-66-3	Chloroform [C]	NA	NA	NA
74-87-3	Chloranethane [C]	NA	NA	NA
1476-11-5	Cis-1,4-Dichloro-2-butene	NA	NA	NA
4170-30-3	Crotonaldehyde	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Volatila (µg/kg)				
108-94-1	Cyclohexanone N	NA	NA	NA
1163-19-5	Decabromodiphenyl ether N	NA	NA	NA
124-48-1	Dibromochloromethane C	NA	NA	NA
75-71-8	Dichlorodifluoromethane N	NA	NA	NA
77-73-6	Dicyclopentadiene N	NA	WA	NA
107-12-0	Ethyl cyanide	NA	NA	NA
60-29-7	Ethyl ether	NA	NA	NA
100-41-4	Ethylbenzene N	NA	NA	NA
87-82-1	Hexabromobenzene N	NA	NA	NA
78-83-1	Isobutanol N	NA	NA	NA
126-98-7	Methacrylonitrile N	NA	NA	NA
74-88-4	Methyl iodide	WA	NA	NA
98-83-9	Methyl styrene (alpha) N	NA	NA	NA
25013-15-4	Methyl styrene (mixture) N	NA	NA	NA
1634-04-4	Methyl tertbutyl ether (MTBE) N	NA	NA	NA
74-95-3	Methylene bromide N	NA	NA	NA
75-09-2	Methylene chloride C	NA	NA	NA
100-42-5	styrene N	NA	NA	NA
127-18-4	letrachloroethene C	NA	NA	NA
109-99-9	Tetrahydrofuran	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
Volatiles (µg/kg)				
108-88-3	Toluene [N]	NA	NA	NA
79-01-6	Trichloroethene [C]	NA	NA	NA
75-69-4	Trichlorofluoromethane [N]	NA	NA	NA
108-05-4	Vinyl acetate [N]	NA	NA	NA
75-01-4	Vinyl chloride [C]	NA	NA	NA
1330-20-7	Xylene (Total) [N]	NA	NA	NA
10061-01-5	cis-1,3-Dichloropropene [C]	NA	NA	NA
99-08-1	m-Nitrotoluene [N]	NA	NA	NA
108-38-3	m-Xylene [N]	NA	NA	NA
110-54-3	n-Hexane [N]	NA	NA	NA
88-73-3	o-Chloronitrobentene [C]	NA	NA	NA
95-49-8	o-Chlorotoluene [N]	NA	NA	NA
88-72-2	o-Nitrotoluene [N]	NA	NA	NA
95-47-6	o-Xylene [N]	NA	NA	NA
5216-25-1	p, a, a, a-Tetrachlorotoluene [C]	NA	NA	NA
100-00-5	p-Chloronitrobenzene [C]	NA	NA	NA
99-99-0	p-Nitrotoluene [N]	NA	NA	NA
106-42-3	p-Xylene	MA	NA	MA
135-98-8	sec-Butylbenzene [N]	NA	NA	NA
104-51-8	tert-Butylbenzene [N]	NA	NA	NA

Preliminary Remediation Goals (PRGs) for Sediment Contaminants

CAS #	Parameter	EPA SSVs	FDEP SQAGs	NASP Reference Concentration
10061-02-6	trans-1,3-Dichloropropene [C]	NA	NA	NA
110-57-6	trans-1,4-Dichloro-2-butene	NA	NA	NA

Appendix C

Sample Values Exceeding PRGs

Exceeds Preliminary Remediation Goals (PRGs) for Soil Contaminants
PENSACOLA, SITE 17

	Sample ID	Date	Result	VQual	PUG	Reason	NASP Reference Concentration
Inorganics (mg/kg)							
7440-38-2 Arsenic (As) C							
	017-S-0001-01	09/08/95	2.6	J	0.43	USEPA-RBC	1.56
	017-S-0002-01	09/08/95	0.85	J	0.43	USEPA-RBC	1.56
	017-S-0003-01	09/08/95	0.69	J	0.43	USEPA-RBC	1.56
	017-S-0004-01	09/08/95	0.43	J	0.43	USEPA-RBC	1.56
	017-S-0005-01	09/08/95	0.61	J	0.43	USEPA-RBC	1.56
	017-S-0006-01	09/08/95	0.67	J	0.43	USEPA-RBC	1.56
	017-S-0008-01	09/08/95	0.53	J	0.43	USEPA-RBC	1.56
7440-41-7 Beryllium (Be) C							
	017-S-0001-01	09/08/95	0.17		0.15	USEPA-RBC	0.41
7439-89-6 Iron (Fe) N							
	017-S-0001-01	09/08/95	6,460.		2,300.	USEPA-RBC	2,745.
	017-S-0002-01	09/08/95	6,890.		2,300.	USEPA-RBC	2,745.
	017-S-0003-01	09/08/95	8,920.		2,300.	USEPA-RBC	2,745.
	017-S-0004-01	09/08/95	6,370.		2,300.	USEPA-RBC	2,745.
	017-S-0005-01	09/08/95	6,860.		2,300.	USEPA-RBC	2,745.
	017-S-0007-01	09/08/95	5,010.		2,300.	USEPA-RBC	2,745.
	017-S-0008-01	09/08/95	5,870.		2,300.	USEPA-RBC	2,745.

Exceeds Preliminary Remediation Goals (PRGs)
for Soil contaminants
PENSACOLA, SITE 17

	Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Pesticides (µg/kg)							
11096-82-5 Aroclor-1260 [C]	017-S-0001-01	09/08/95	*4,200.*	D	83.	USEPA-RBC	NA

Exceeds Preliminary Remediation Goals (PRGs) for Soil Contaminants
PENSACOLA, SITE 17

	Sample ID	Date	Result	VQual	PUG	Reason	NASP Reference Concentration
Semivolatiles (µg/kg)							
50-32-8 Benzo(a)pyrene C							
	017-S-0001-01	09/08/95	97.	J	88.	USEPA-RBC	NA
	017-S-0006-01	09/08/95	110.	J	88.	USEPA-RBC	MA
	017-S-0008-01 RE	09/08/95	160.	J	88.	USEPA-RBC	NA

Exceeds Preliminary Remediation Goals (PRGs) for Soil Contaminants
PENSACOLA, SITE'17

	Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Volatiles (µg/kg)							
No Exceedances Found							

Exceeds Preliminary Remediation Goals (PRGs) for Sediment Contaminants
PENSACOLA, SITE 17

		Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Inorganics (mg/kg)								
7440-43-9	Cadmium (Cd) N	017-H-0001-01	09/20/95	4.1		0.676	FDEP SQAG	NA
7440-50-8	Copper (Cu) N	017-H-0001-01	09/20/95	140.		18.7	FDEP SQAG	NA
7439-92-1	Lead (Pb)	017-H-0001-01	09/20/95	309.		30.2	FDEP SQAG	NA
7439-97-6	Mercury (Hg) N	017-H-0001-01	09/20/95	0.2		0.13	FDEP SQAG	NA
7440-66-6	Zinc (Zn) N	017-M-0001-01	09/20/95	408.	J	124.	FDEP SQAG	NA

1

Exceeds Preliminary Remediation Goals (PRGs) for Sediment Contaminants PENSACOLA, SITE 17

		Sample ID	Date	Result	VQual	PUG	Reason	NASP Reference Concentration
Pesticides (µg/kg)								
72-55-9	4,4'-DDE C	017-M-0001-01	09/20/95	39.		2.07	FDEP SQAG	NA
50-29-3	4,4'-DDT C	017-H-0001-01	09/20/95	520.	DJ	1.19	FDEP SQAG	NA
11096-82-5	Aroclor-1260 C	017-H-0001-01	09/20/95	6,600.	D	21.6	EPA SSV	NA
60-57-1	Dieldrin C	017-M-0001-01	09/20/95	91.	J	0.715	FDEP SQAG	NA
72-20-8	Endrin N	017-WOO01-01	09/20/95	530.	DJ	3.3	EPA SSV	NA
7421-93-4	Endrin aldehyde N	017-H-0001-01	09/20/95	530.	DJ	3.3	EPA SSV	NA

Exceeds Preliminary Remediation Goals (PRGs) for Sediment Contaminants PENSACOLA, SITE 17

		Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Semivolatiles (µg/kg)								
91-57-6	2-Methylnaphthalene N	017-M-0001-01	09/20/95	64.	J	20.2	FDEP SQAG	NA
83-32-9	Acenaphthene N	017-M-0001-01	09/20/95	140.	J	6.71	FDEP SPAG	NA
208-96-8	Acenaphthylene N	017-M-0001-01	09/20/95	41.	J	5.87	FDEP SPAG	NA
120-12-7	Anthracene N	017-M-0001-01	09/20/95	170.	J	46.9	FDEP SQAG	NA
56-55-3	Benzo(a)anthracene	017-M-0001-01	09/20/95	1,000.		74.8	FDEP SPAG	NA
50-32-8	Benzo(a)pyrene	017-M-0001-01	09/20/95	600.		88.8	FDEP SPAG	NA
218-01-9	Chrysene	017-M-0001-01	09/20/95	1,500.		108.	FDEP SPAG	NA
53-70-3	Dibenz(a,h)anthracene	017-M-0001-01	09/20/95	160.	J	6.22	FDEP SPAG	NA
206-44-0	Fluoranthene N	017-M-0001-01	09/20/95	2,400.		113.	FDEP SOAG	NA
86-73-7	Fluorene N	017-M-0001-01	09/20/95	130.	J	21.2	FDEP SPAG	NA
91-20-3	Naphthalene N	017-M-0001-01	09/20/95	66.	J	34.6	FDEP SOAG	NA

Exceeds Preliminary Remediation Goals (PRGs) for Sediment Contaminants PENSACOLA, SITE 17

		Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Semivolatiles (µg/kg)								
85-01-8	Phenanthrene N	017-M-0001-01	09/20/95	1,800.		86.7	FDEP SQAG	NA
129-00-0	Pyrene N	017-H-0001-01	09/20/95	1,800.		153.	FDEP SQAG	NA

Exceeds Preliminary Remediation Goals (PRGs) for Sediment Contaminants
PENSACOLA, SITE 17

	Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Volatiles (µg/kg)							
No Exceedances Found							

PRB_PENGI
07/03/96

Time: 10:02
Tim: 10:02

Exceeds Preliminary Remediation Goals (PRGs) for Groundwater Contaminants
PENSACOLA, SITE 17

	Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Inorganics (µg/l)							
7429-90-5 Aluminum (Al) N							
	017-G-GR01-01	09/15/95	304.		50.	EPA SMCL	3,882.8
	017-G-GR02-01	09/15/95	336.		50.	EPA SMCL	3,882.8
	017-G-GR03-01	09/15/95	271.		50.	EPA SMCL	3,882.8
	017-G-GR04-01	09/15/95	191.	J	50.	EPA SMCL	3,882.8
	017-G-GR05-01	09/15/95	207.		50.	EPA SMCL	3,882.8
	017-G-GR06-01	09/18/95	225.		50.	EPA SMCL	3,882.8
	017-G-GR07-01	09/18/95	94.6	J	50.	EPA SMCL	3,882.8

Exceeds Preliminary Remediation Goals (PRGs) for Groundwater Contaminants
PENSACOLA, SITE 17

	Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Pesticides (µg/l)							
No Exceedances Found							

Exceeds Preliminary Remediation Goals (PRGs) for Groundwater Contaminants
PENSACOLA, SITE 17

	Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Semivolatiles (µg/l)							
No Exceedances Found							

Exceeds Preliminary Remediation Goals (PRGs) for Groundwater Contaminants
PENSACOLA, SITE 17

	Sample ID	Date	Result	VQual	PRG	Reason	NASP Reference Concentration
Volatiles (µg/l)							
No Exceedances Found							

Appendix D

Database Summary of Analytical Data

DATA QUALIFIER DEFINITIONS

The following definitions provide a brief explanation of the data qualifiers used in the validation process.

U The compound was analyzed for, but was not detected above the reported sample quantitation limit.

J The compound was positively detected, however, the reported concentration is considered to approximate the concentration within the sample.

UJ The compound was not detected above the reported sample quantitation limit. However, the reported quantitation limit is an approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the compound in the sample.

R The sample results are rejected due to serious deficiencies in the laboratory's ability to analyze the sample and meet QC criteria. The presence or absence of the compound cannot be verified.

Sample Analytical Data

NAS PENSACOLA
SITE 17
Soil Samples

METAL																	
	SAMPLE ID ------->	017-S-0001-01		017-S-0001-05		017-S-0002-01		017-S-0002-05		017-S-0003-01		017-S-0003-05	
	ORIGINAL ID ----->	017S000101		017S000105		017S000201		017S000205		017S000301		017S000305	
	LAB SAMPLE ID --->	S555009*1		S555009*2		S555009*3		S555009*4		S555009*5		S555009*6	
	ID FROM REPORT -->	017S000101		017S000105		017S000201		017S000205		017S000301		017S000305	
	SAMPLE DATE ----->	09/08/95		09/08/95		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED -->	09/13/95		09/13/95		09/13/95		09/13/95		09/13/95		09/13/95	
	DATE ANALYZED --->	10/06/95		10/06/95		10/06/95		10/06/95		10/06/95		10/06/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
7440-38-2	Arsenic (As)	2.6	J	0.8	J	0.85	J	0.39	J	0.69	J	0.37	J
7439-97-6	Mercury (Hg)	0.06	U	0.03	U	0.03	U	0.02	U	0.03	U	0.01	U
7439-92-1	Lead (Pb)	298.		4.6		104.		2.		21.8		11	
7782-49-2	Selenium (Se)	0.11	UR	0.11	UR	0.11	UR	0.12	J	0.11	UR	0.11	UR
57-12-5	Cyanide (CN)	0.46		0.26	U	0.27	U	0.26	U	0.27	U	0.26	U
7429-90-5	Aluminum (Al)	1110.		836.		2670.		687.		3300.		799.	
7440-36-0	Antimony (Sb)	2.2	U	2.2	U	2.3	U	2.2	U	2.3	U	2.2	U
7440-39-3	Barium (Ba)	27.2		3.5	J	13.2	J	1.5	J	6.4	J	1.8	J
7440-41-7	Beryllium (Be)	0.17		0.03	U	0.09	J	0.03	U	0.06	J	0.03	U
7440-43-9	Cadmium (Cd)	21		0.21	U	0.51	J	0.21	U	0.22	U	0.21	U
7440-70-2	Calcium (Ca)	3810.	J	237.	J	1130.	J	66.1	J	1130.	J	67.6	J
7440-47-3	Chromium (Cr)	13.2		1.3		7.		0.78	J	8.8		0.98	J
7440-48-4	Cobalt (Co)	1.2	J	0.23	U	4.8	J	0.23	U	10.7		0.24	J
7440-50-8	Copper (Cu)	15.1		0.46	J	4.1		0.19	U	4.2		0.37	J
7439-89-6	Iron (Fe)	6460.		174.		6890.		88.9		8920.		130.	
7439-95-4	Magnesium (Mg)	208.	J	28.1	J	224.	J	20.1	J	441.	J	24.	J
7439-96-5	Manganese (Mn)	65.8		1.5	J	22.9		0.46	J	17.4		0.53	J
7440-02-0	Nickel (Ni)	8.1		1.3	U	1.4	U	1.3	U	14	U	1.3	U
7440-09-7	Potassium (K)	46.6	J	13.9	J	52.2	J	6.9	U	30.9	J	11.5	J
7440-22-4	Silver (Ag)	0.18	U	0.18	U	0.33	J	0.18	U	0.19	U	0.18	U
7440-23-5	Sodium (Na)	35.3	U	14.2	U	13.	U	12.1	U	12.7	U	12.1	U
7440-62-2	Vanadium (V)	8.9		0.87	J	15.9		0.62	J	21.4		0.79	J
7440-66-6	Zinc (Zn)	127.	J	25	J	20.8	J	0.66	J	14.1	J	1.3	J
7440-28-0	Thallium (Tl)	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U

NAS PENSACOLA
SITE 17
Soil Samples

METAL																	
		SAMPLE ID ------->	017-S-0004-01		017-S-0004-05		017-S-0005-01		017-S-0005-05		017-S-0006-01		017-S-0006-05	
		ORIGINAL ID ----->	017S000401		017S000405		017S000501		017S000505		017S000601		017S000605	
		LAB SAMPLE ID --->	S555009*7		S555009*8		S555009*9		S555009*10		S555009*11		S555009*12	
		ID FROM REPORT -->	017S000401		017S000405		017S000501		017S000505		017S000601		017S000605	
		SAMPLE DATE ----->	09/08/95		09/08/95		09/08/95		09/08/95		09/08/95		09/08/95	
		DATE EXTRACTED -->	09/13/95		09/13/95		09/13/95		09/13/95		09/13/95		09/13/95	
		DATE ANALYZED --->	10/06/95		10/06/95		10/06/95		10/06/95		10/06/95		10/06/95	
		MATRIX ---------->	Soil		soil		Soil		Soil		Soil		Soil	
		UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter		ENP09	VAL	ENPW	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
7440-38-2	Arsenic (As)		0.43	J	0.38	J	0.61	J	0.35	J	0.67	J	0.46	J
7439-97-6	Mercury (Hg)		0.01	U	0.01	U	0.01	U	0.01	U	0.03	U	0.01	U
7439-92-1	Lead (Pb)		22.5		1.4		16.5		0.81		137.		2.9	
7782-49-2	Selenium (Se)		0.11	UR	0.11	UR	0.11	UR	0.11	UR	0.12	J	0.14	J
57-12-5	Cyanide (CN)		0.27	U	0.27	U	0.27	U	0.27	U	0.26	U	0.27	U
7429-90-5	Aluminum (Al)		2190.		1630.		1580.		1860.		552.		1050.	
7440-36-0	Antimony (Sb)		2.3	U	2.2	U	2.3	U	2.3	U	2.2	U	2.3	U
7440-39-3	Barium (Ba)		6.4	J	2.	J	4.5	J	1.6	J	12.7	J	2.3	J
7440-41-7	Beryllium (Be)		0.06	J	0.03	U	0.08	J	0.03	U	0.03	J	0.03	U
7440-43-9	Cadmium (Cd)		0.21	U	0.21	U	0.22	U	0.21	U	0.24	J	0.21	U
7440-70-2	Calcium (Ca)		527.	J	424.	J	275.	J	280.	J	250.	J	192.	J
7440-47-3	Chromium (Cr)		6.8		1.6		7.6		2.		1.4		1.3	
7440-48-4	Cobalt (Co)		3.2	J	0.31	J	2.	J	0.43	J	0.29	J	0.23	U
7440-50-8	Copper (Cu)		2.8		0.44	J	2.	J	0.19	U	3.5		0.29	J
7439-89-6	Iron (Fe)		6370.		235.		6860.		138.		1010.		252.	
7439-95-4	Magnesium (Mg)		95.1	J	34.8	J	57.7	J	40.7	J	41.8	J	19.8	J
7439-96-5	Manganese (Mn)		30.2		2.7		12.3		2.		10.2		0.94	J
7440-02-0	Nickel (Ni)		1.3	U	1.3	U	1.4	U	1.3	U	1.3	U	1.3	U
7440-09-7	Potassium (K)		24.2	J	16.4	J	24.5	J	12.6	J	11.8	J	12.	J
7440-22-4	Silver (Ag)		0.19	U	0.18	U	0.19	U	0.19	U	0.18	U	0.19	U
7440-23-5	Sodium (Na)		13.	J	13.2	U	14.5	U	13.9	U	10.7	U	12.5	U
7440-62-2	Vanadium (V)		15.3		0.89	J	16.8		0.66	J	1.9	J	0.91	J
7440-66-6	Zinc (Zn)		7.9	J	1.6	J	7.6	J	0.69	J	44.6	J	19.	J
7440-28-0	Thallium (Tl)		0.08	U	0.08	U	0.00	U	0.08	U	0.08	U	0.08	U

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

METAL											
	SAMPLE ID ------->	017-S-0007-01		017-S-0007-05		017-C-0007-05		017-S-0008-01		017-S-0008-05	
	ORIGINAL ID ----->	017S000701		017S000705		017C000705		017S000801		017S000805	
	LAB SAMPLE ID --->	S555009*13		S555009*14		S555009*15		S555009*16		S555009*17	
	ID FROM REPORT -->	017S000701		017S000705		017C000705		017S000801		017S000805	
	SAMPLE DATE ----->	09/08/95		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED -->	09/13/95		09/13/95		09/13/95		09/13/95		09/13/95	
	DATE ANALYZED --->	10/06/95		10/06/95		10/06/95		10/06/95		10/06/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	MG/KG		MG/KG		MG/KG		MG/KG		MG/KG	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
7440-38-2	Arsenic (As)	0.42	J	0.4	J	0.23	J	0.53	J	0.35	J
7439-97-6	Mercury (Hg)	0.05	U	0.01	U	0.01	U	0.02	U	0.01	U
7439-92-1	Lead (Pb)	45.1		1.4		1.8		88.2		1.3	
7782-49-2	Selenium (Se)	0.18	J	0.16	J	0.12	UR	0.12	J	0.18	J
57-12-5	Cyanide (CN)	0.27	U	0.26	U	0.26	U	0.27	U	0.27	U
7429-90-5	Aluminum (Al)	1670.		899.		1400.		1940.		1260.	
7440-36-0	Antimony (Sb)	23	U	2.2	U	2.2	U	2.3	U	2.2	U
7440-39-3	Barium (Ba)	11.9	J	2.2	J	2.7	J	18.3	J	2.9	J
7440-41-7	Beryllium (Be)	0.04	J	0.03	U	0.03	U	0.06	J	0.03	U
7440-43-9	Cadmium (Cd)	0.24	J	0.21	U	0.21	U	0.22	U	0.21	U
7440-70-2	Calcium (Ca)	471.	J	77.1	J	112.	J	852.	J	271.	J
7440-47-3	Chromium (Cr)	4.9		0.81	J	1.5		6.3		1.1	
7440-48-4	Cobalt (Co)	3.1	J	0.23	U	0.27	J	10.6		0.23	U
7440-50-8	Copper (Cu)	25	J	0.19	U	0.19	U	3.3		0.19	U
7439-89-6	Iron (Fe)	5010.		99.7		187.		5870.		132.	
7439-95-4	Magnesium (Mg)	71.9	J	22.3	J	33.1	J	196.	J	49.3	J
7439-96-5	Manganese (Mn)	14.5		0.61	J	0.95	J	18.		1.4	J
7440-02-0	Nickel (Ni)	14	U	1.3	U	1.3	U	1.4	U	1.3	U
7440-09-7	Potassium (K)	21.6	J	8.5	J	12.1	J	36.	J	15.4	J
7440-22-4	Silver (Ag)	0.19	U	0.18	U	0.18	U	0.19	U	0.18	U
7440-23-5	Sodium (Na)	13.4	U	16.7	U	23.	J	15.6	U	19.2	U
7440-62-2	Vanadium (V)	12.		0.75	J	1.3	J	14.		1.1	J
7440-66-6	Zinc (Zn)	20.9	J	4.5	J	4.1	J	23.7	J	14	J
7440-28-0	Thallium (Tl)	0.08	U	0.08	U	0.08	U	0.08	U	0.08	U

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

PEST															
	SAMPLE ID ------->			017-S-0001-05		017-S-0002-01		017-S-0002-05		017-S-0003-01		017-S-0003-05	
	ORIGINAL ID ----->	017S000101		017S000105		017S000201		017S000205		017S000301		017S000305	
	LAB SAMPLE ID --->	S555009*1		S555009*2		S555009*3		S555009*4		S555009*5		S555009*6	
	ID FROM REPORT -->	017S000101		017S000105		017S000201		017S000205		017S000301		017S000305	
	SAMPLE DATE ----->	09/08/95		09/08/95		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED -->	09/12/95		09/12/95		09/12/95		09/12/95		09/12/95		09/12/95	
	DATE ANALYZED --->	10/11/95		10/11/95		10/11/95		10/11/95		10/11/95		10/11/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	EMPW	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
72-54-8	4,4'-DDD	3.4	UJ	3.4	UJ	3.6	UJ	3.5	UJ	3.6	UJ	3.5	U
72-55-9	4,4'-DDE	49.	DJ	3.4	UJ	0.42	J	3.5	UJ	0.96	J	3.5	U
50-29-3	4,4'-DDT	3.4	UJ	3.4	UJ	3.6	UJ	3.5	UJ	3.6	UJ	3.5	U
309-00-2	Aldrin	1.8	UJ	1.6	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U
12674-11-2	Aroclor-1016	34.	UJ	34.	UJ	36.	UJ	35.	UJ	36.	UJ	35.	U
11104-28-2	Aroclor-1221	70.	UJ	70.	UJ	74.	UJ	71.	UJ	73.	UJ	70.	U
11141-16-5	Aroclor-1232	34.	UJ	34.	UJ	36.	UJ	35.	UJ	36.	UJ	35.	U
53469-21-9	Aroclor-1242	34.	UJ	34.	UJ	36.	UJ	35.	UJ	36.	UJ	35.	U
12672-29-6	Aroclor-1248	34.	UJ	34.	UJ	36.	UJ	35.	UJ	36.	UJ	3s.	U
11097-69-1	Aroclor-1254	34.	UJ	34.	UJ	36.	UJ	35.	UJ	36.	UJ	35.	U
11096-82-5	Aroclor-1260	4200.	D	57.	UJ	41.	J	35.	J	15.	J	35.	U
60-57-1	Dieldrin	3.4	UJ	3.4	UJ	3.6	UJ	1.2	UJ	3.6	UJ	35	U
959-98-8	Endosulfan I	1.8	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U
33213-65-9	Endosulfan II	3.4	UJ	3.4	UJ	3.6	UJ	3.5	UJ	3.6	UJ	3.5	U
1031-07-8	Endosulfan sulfate	3.4	UJ	3.4	UJ	3.6	UJ	3.5	UJ	3.6	UJ	3.5	U
72-20-8	Endrin	3.4	UJ	3.4	UJ	3.6	UJ	3.5	UJ	3.6	UJ	3.5	U
7421-93-4	Endrin aldehyde	3.4	UJ	3.4	UJ	3.6	UJ	3.5	UJ	3.6	UJ	3.5	U
53494-70-5	Endrin ketone	3.4	UJ	3.4	UJ	3.6	UJ	3.5	UJ	3.6	UJ	3.5	U
76-44-8	Heptachlor	1.8	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U
1024-57-3	Heptachlor epoxide	1.2	J	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.6	U
72-43-5	Methoxychlor	18.	UJ	18.	UJ	19.	UJ	18.	UJ	19.	UJ	18.	U
8001-35-2	Toxaphene	180.	UJ	180.	UJ	190.	UJ	180.	UJ	190.	UJ	180.	U
319-84-6	alpha-BHC	1.8	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U
5103-71-9	alpha-Chlordane	1.8	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U
319-85-7	beta-BHC	1.8	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U
319-86-8	delta-BHC	1.8	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U
58-89-9	gamma-BHC (Lindane)	1.8	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U
5103-74-2	gamma-Chlordane	1.8	UJ	1.8	UJ	1.9	UJ	1.8	UJ	1.9	UJ	1.8	U

NAS PENSACOLA
SITE 17
Soil Samples

PEST													
	SAMPLE ID ------->	017-S-0004-01		017-		017-S-0005-01		017-S-0005-05		017-S-0006-01		017-S-0006-05	
	ORIGINAL ID ----->	017S000401		017S000405		017S000501		017S000505		017S000601		017S000605	
	LAB SAMPLE ID --->	S555009*7		S555009*8		S555009*9		S555009*10		S555009*11		S555009*12	
	ID FROM REPORT -->	017S000401		017S000405		017S000501		017S000505		017S000601		017S000605	
	SAMPLE DATE ----->	09/08/95		[illegible]		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED -->	09/12/95		09/12/95		09/12/95		09/12/95		09/12/95		09/12/95	
	DATE ANALYZED --->	10/11/95		10/11/95		10/11/95		10/11/95		10/11/95		10/11/95	
	MATRIX ---------->	Soil		soil		Soil		Soil		Soil		soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENP09	VAL	ENPW	VAL	ENP09	VAL	ENPW	VAL	ENP09	VAL	ENP09	VAL
72-54-8	4,4'-DDD	3.5	U	3.5	UJ	3.6	U	3.5	UJ	1.3	J	3.5	UJ
72-55-9	4,4'-DDE	0.89	J	3.5	UJ	1.9	J	3.5	UJ	14.		3.5	UJ
50-29-3	4,4'-DDT	3.5	U	3.5	UJ	0.79	J	3.5	UJ	4.1	J	3.5	UJ
309-00-2	Aldrin	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ
12674-11-2	Aroclor-1016	35.	U	55.	UJ	36.	U	35.	UJ	34.	U	35.	UJ
11104-28-2	Aroclor-1221	72.	U	71.	UJ	73.	U	72.	UJ	69.	U	72.	UJ
11141-16-5	Aroclor-1232	35.	U	35.	UJ	36.	U	35.	UJ	34.	U	35.	UJ
53469-21-9	Aroclor-1242	35.	U	35.	UJ	36.	U	35.	UJ	34.	U	35.	UJ
12672-29-6	Aroclor-1248	35.	U	35.	UJ	36.	U	35.	UJ	34.	U	35.	UJ
11097-69-1	Aroclor-1254	35.	U	35.	UJ	36.	U	35.	UJ	34.	U	35.	UJ
11096-82-5	Aroclor-1260	26.	J	35.	UJ	36.	U	35.	UJ	34.	U	35.	UJ
60-57-1	Dieldrin	3.5	U	3.5	UJ	3.6	U	3.5	UJ	3.4	U	3.5	UJ
959-98-8	Endosulfan I	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ
33213-65-9	Endosulfan II	3.5	U	3.5	UJ	3.6	U	3.5	UJ	3.4	U	3.5	UJ
1031-07-8	Endosulfan sulfate	3.5	U	3.5	UJ	3.6	U	3.5	UJ	3.4	U	3.5	UJ
72-20-8	Endrin	3.5	U	3.5	UJ	3.6	U	3.5	UJ	3.4	U	3.5	UJ
7421-93-4	Endrin aldehyde	3.5	U	3.5	UJ	1.2	J	3.5	UJ	3.4	U	3.5	UJ
53494-70-5	Endrin ketone	3.5	U	3.5	UJ	3.6	U	3.5	UJ	1.5	J	3.5	UJ
76-44-8	Heptachlor	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ
1024-57-3	Heptachlor epoxide	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ
72-43-5	Methoxychlor	18.	U	18.	UJ	18.	U	18.	UJ	18.	U	18.	UJ
8001-35-2	Toxaphene	180.	U	180.	UJ	180.	U	180.	UJ	180.	U	180.8	UJ
319-84-6	alpha-BHC	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U		
5103-71-9	alpha-Chlordane	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ
319-85-7	beta-BHC	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ
319-86-8	delta-BHC	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ
58-89-9	gamma-BHC (Lindane)	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ
5103-74-2	gamma-Chlordane	1.8	U	1.8	UJ	1.8	U	1.8	UJ	1.8	U	1.8	UJ

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

PEST													
	SAMPLE ID ------->	017-S-0007-01			017-C-0007-05		017-S-0008-01		017-S-0008-05				
	ORIGINAL ID ----->	017S000701		017S000705	017C000705		017S000801		017S000805				
	LAB SAMPLE ID --->	S555009*13		S555009.14	S555009*15		S555009*16		S555009*17				
	ID FROM REPORT -->	017S000701		017S000705	017C000705		017S000801		017S000805				
	SAMPLE DATE ----->	09/08/95		09/08/95	09/08/95		09/08/95		09/08/95				
	DATE EXTRACTED -->	09/12/95		09/12/95	09/12/95		09/12/95		09/12/95				
	DATE ANALYZED --->	10/11/95		10/11/95	10/12/95		10/12/95		10/12/95				
	MATRIX ---------->	Soil		Soil	Soil		Soil		Soil				
	UNITS ---------->	UG/KG		UG/KG	UG/KG		UG/KG		UG/KG				
CAS #	Parameter	ENP09	VAL	ENPW	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL		
72-54-8	4,4'-DDD	3.6	U	3.5	UJ	3.5	U	3.6	U	3.5	UJ		
72-55-9	4,4'-DDE	1.9	J	3.5	UJ	3.5	U	5.8		3.5	UJ		
50-29-3	4,4'-DDT	1.6	J	3.5	UJ	3.5	U	7.4		3.5	UJ		
309-00-2	Aldrin	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		
12674-11-2	Aroclor-1016	36.	U	35.	UJ	35.	U	36.	U	35.	UJ		
11104-28-2	Aroclor-1221	n.	U	70.	UJ	70.	U	73.	U	71.	UJ		
11141-16-5	Aroclor-1232	36.	U	35.	UJ	35.	U	36.	U	35.	UJ		
53469-21-9	Aroclor-1242	36.	U	35.	UJ	35.	U	36.	U	35.	UJ		
12672-29-6	Aroclor-1248	36.	U	35.	UJ	35.	U	36.	U	35.	UJ		
11097-69-1	Aroclor-1254	36.	U	35.	UJ	35.	U	36.	U	35.	UJ		
11096-82-5	Aroclor-1260	36.	U	35.	UJ	35.	U	36.	U	35.	UJ		
60-57-1	Dieldrin	3.6	U	3.5	UJ	3.5	U	3.6	U	3.5	UJ		
959-98-8	Endosulfan I	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		
33213-65-9	Endosulfan II	3.6	U	3.5	UJ	3.5	U	3.6	U	3.5	UJ		
1031-07-8	Endosulfan sulfate	3.6	U	3.5	UJ	3.5	U	3.6	U	3.5	UJ		
72-20-8	Endrin	3.6	U	3.5	UJ	3.5	U	3.6	U	3.5	UJ		
7421-93-4	Endrin aldehyde	3.6	U	3.5	UJ	3.5	U	3.6	U	3.5	UJ		
53494-70-5	Endrin ketone	3.6	U	3.5	UJ	3.5	U	3.6	U	3.5	UJ		
76-44-8	Heptachlor	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		
1024-57-3	Heptachlor epoxide	1.8	U	1.8	UJ	1.6	U	1.8	U	1.8	UJ		
72-43-5	Methoxychlor	18.	U	18.	UJ	18.	U	18.	U	18.	UJ		
8001-35-2	Toxaphene	180.	U	180.	UJ	180.	U	180.	U	180.	UJ		
319-84-6	alpha-BHC	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		
5103-71-9	alpha-Chlordane	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		
319-85-7	beta-BHC	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		
319-86-8	delta-BHC	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		
58-89-9	gamma-BHC (Lindane)	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		
5103-74-2	gamma-Chlordane	1.8	U	1.8	UJ	1.8	U	1.8	U	1.8	UJ		

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

SVOA															
	SAMPLE ID ------->	017-S-0001-01		017-S-0001-05		[illegible] S-0002-01		017-5-0002-05		017-S-0003-01		017-S-0003-05	
	ORIGINAL ID ----->	017S000101		017S000105		017S000201		017S000205		017S000301		017S000305	
	LAB SAMPLE ID --->	[illegible]		S555009*2		[illegible]		S555009*4		S555009*5		S555009*6	
	ID FROM REPORT -->	017S000101		017S000105		17 [illegible]		017S000205		017S000301		017S000305	
	SAMPLE DATE ----->	09/08/95		09/08/95				09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED -->	09/13/95		09/13/95		09/13/95		09/13/95		09/13/95		09/13/95	
	DATE ANALYZED --->	09/30/95		09/30/95		09/21/95		09/21/95		09/21/95		09/21/95	
	MATRIX ---------->	Soil		soil		Soil		soil		soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
120-82-1	1,2,4-Trichlorobenzene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
95-50-1	1,2-Dichlorobenzene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
541-73-1	1,3-Dichlorobenzene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
10646-7	1,4-Dichlorobenzene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
39638-32-9	Bis(2-Chloroisopropyl)Ether	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
95-95-4	2,4,5-Trichlorophenol	830.	U	830.	U	880.	U	850.	U	880.	U	840.	UR
88-06-2	2,4,6-Trichlorophenol	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
120-83-2	2,4-Dichlorophenol	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
105-67-9	2,4-Dimethylphenol	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
51-28-5	2,4-Dinitrophenol	830.	U	830.	U	880.	U	850.	U	880.	U	840.	UR
121-14-2	2,4-Dinitrotoluene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
606-20-2	2,6-Dinitrotoluene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
91-58-7	2-Chloronaphthalene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
95-57-8	2-Chlorophenol	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
91-57-6	2-Methylnaphthalene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
95-48-7	2-Methylphenol (o-Cresol)	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
88-74-4	2-Nitroaniline	830.	U	830.	U	880.	U	850.	U	880.	U	840.	UR
88-75-5	2-Nitrophenol	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
91-94-1	3,3'-Dichlorobenzidine	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
99999-00-32-2	3-Methylphenol/4-Methylphenol	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
99-09-2	3-Nitroaniline	830.	U	830.	U	880.	U	850.	U	880.	U	840.	UR
534-52-1	2-Methyl-4,6-Dinitrophenol	830.	U	830.	U	880.	U	850.	U	880.	U	abo.	UR
101-55-3	4-Bromophenyl-phenylether	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
59-50-7	4-Chloro-3-methylphenol	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
106-47-8	4-Chloroaniline	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
7005-72-3	4-Chlorophenylphenylether	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
100-01-6	4-Nitroaniline	830.	U	830.	U	880.	U	850.	U	880.	U	840.	UR
100-02-7	4-Nitrophenol	830.	U	830.	U	880.	U	850.	U	880.	U	abo.	UR
83-32-9	Acenaphthene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
208-w-8	Acenaphthylene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
120-12-7	Anthracene	23.	J	340.	U	360.	U	350.	U	360.	U	350.	UR
56-55-3	Benzo(a)anthracene	110.	J	340.	U	13.	J	350.	U	360.	U	350.	UR
50-32-8	Benzo(a)pyrene	97.	J	140.	U	150.	U	150.	U	150.	U	150.	UR
205-99-2	Benzo(b)fluoranthene	170.	J	340.	U	360.	U	350.	U	360.	U	350.	UR
191-24-2	Benzo(g,h,i)perylene	64.	J	340.	U	360.	U	350.	U	360.	U	350.	UR
207-08-9	Benzo(k)fluoranthene	67.	J	340.	U	360.	U	350.	U	360.	U	350.	UR

NAS PENSACOLA
SITE 17
Soil Samples

SVOA															
	SAMPLE ID -------:	017-S-0001-01		017-S-0001-05		017-S-0002-01		017-S-0002-05		017-S-0003-01		017-S-0003-05	
	ORIGINAL ID -----:	017S000101		017S000105		017S000201		017S000205		017S000301		017S000305	
	LAB SAMPLE ID ---:	S555009*1		S555009*2		S555009*3		S555009*4		S555009*5		S555009*6	
	ID FROM REPORT --:	017S000101		017S000105		017S000201		017S000205		017S000301		017S000305	
	SAMPLE DATE -----:	09/08/95		09/08/95		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED --:	09/13/95		09/13/95		09/13/95		09/13/95		09/13/95		09/13/95	
	DATE ANALYZED ---:	09/30/95		09/30/95		09/21/95		09/21/95		09/21/95		09/21/95	
	MATRIX ----------:	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ----------:	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
85-68-7	Butylbenzylphthalate	20.	J	340.	U	360.	U	350.	U	360.	U	24.	UR
86-74-8	Carbazole	23.	J	340.	U	360.	U	350.	U	360.	U	550.	UR
218-01-9	Chrysene	160.	J	340.	U	20.	J	350.	U	360.	U	350.	UR
84-74-2	Di-n-butylphthalate	22.	J	340.	U	360.	U	350.	U	360.	U	350.	UR
117-84-0	Di-n-octyl phthalate	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
53-70-3	Dibenz(a,h)anthracene	22.	J	140.	U	150.	U	150.	U	150.	U	150.	UR
132-64-9	Dibenzofuran	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
84-66-2	Diethylphthalate	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
131-11-3	Dimethyl phthalate	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
		280.	J	340.	U	25.	J	350.	U	360.	U	350.	UR
		340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
118-74-1	Hexachlorobenzene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
87-68-3	Hexachlorobutadiene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
77-47-4	Hexachlorocyclopentadiene	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
67-72-1	Hexachloroethane	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
	pyrene	64.	J	340.	U	360.	U	350.	U	360.	U	350.	UR
		340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
	propylamine	62.	U	62.	U	66.	U	64.	U	66.	U	63.	UR
		340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
		340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
		340.	U	340.	U	10.	J	350.	U	360.	U	350.	UR
87-86-5	Pentachlorophenol	830.	U	830.	U	880.	U	850.	U	880.	U	840.	UR
85-01-8	Phenanthrene	140.	J	340.	U	360.	U	350.	U	360.	U	350.	UR
		340.	U	540.	U	360.	U	350.	U	360.	U	350.	UR
129-00-0	Pyrene	200.	J	340.	U	21.	J	350.	U	360.	U	350.	UR
	methane	340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
		340.	U	340.	U	360.	U	350.	U	360.	U	350.	UR
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	340.	U	340.	U	270.	J	79.	J	360.	U	350.	UR
86-30-6	N-Nitrosodiphenylamine	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

SVOA																	
	SAMPLE ID ------->	[illegible]	RE	017 $-0004	RE	017-5-0005-01		[illegible]	RE	017-$-0006-01		017-$-0006-05	RE
	ORIGINAL ID ----->	017$000401		017$000405		017$000501		[illegible]		017$000601		017$000605	
	LAB SAMPLE ID --->	$555009*24		$555009*25		$555009*9		$555009*26		$555009*11		$555009*27	
	ID FROM REPORT -->	017$000401		[illegible]7$000405		017$000501		017$000505		017$000601		(III$000605	
	SAMPLE DATE ----->	09/08/95		[illegible]		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED -->	09/22/95				09/13/95		09/22/95		09/22/95		09/22/95	
	DATE ANALYZED --->	10/02/95		10/11/95		09/21/95		09/29/95		09/29/95		09/29/95	
	MATRIX ---------->	Soil		Soil		sot 1		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENP09	VAL	ENPW	VAL	ENPW	VAL	IEWPW	VAL	ENP09	VAL	IENPW	VAL
120-82-1	1,2,4-Trichlorobenzene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
95-50-1	1,2-Dichlorobenzene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
541-73-1	1,3-Dichlorobenzene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
106-46-7	1,4-Dichlorobenzene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
95-95-4	2,4,5-Trichlorophenol	860.	U	650.	U	870.	U	860.	U	820.	U	860.	U
88-06-2	2,4,6-Trichlorophenol	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
120-83-2	2,4-Dichlorophenol	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
105-67-9	2,4-Dimethylphenol	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
51-28-5	2,4-Dinitrophenol	860.	UR	850.	U	870.	U	860.	U	820.	U	860.	U
121-14-2	2,4-Dinitrotoluene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
606-20-2	2,6-Dinitrotoluene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
91-58-7	2-Chloronaphthalene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
95-57-8	2-Chlorophenol	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
91-57-6	2-Methylnaphthalene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
95-48-7	2-Methylphenol (o-Cresol)	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
88-74-4	2-Nitroaniline	860.	U	850.	U	870.	U	860.	U	820.	U	860.	U
88-75-5	2-Nitrophenol	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
91-94-1	3,3'-Dichlorobenzidine	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
99-09-2	3-Nitroaniline	860.	U	650.	U	870.	U	860.	U	820.	U	860.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	860.	U	650.	U	870.	U	860.	U	620.	U	860.	U
101-55-3	4-Bromophenyl-phenylether	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
59-50-7	4-Chloro-3-methylphenol	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
106-47-8	4-Chloroaniline	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
7005-72-3	4-Chlorophenylphenylether	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
100-01-6	4-Nitroaniline	860.	U	850.	U	870.	U	860.	U	820.	U	860.	U
100-02-7	4-Nitrophenol	860.	U	850.	U	870.	U	860.	U	820.	U	860.	U
83-32-9	Acenaphthene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
208-96-8	Acenaphthylene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
120-12-7	Anthracene	350.	U	350.	U	360.	U	350.	U	13.	J	350.	U
56-55-3	Benzo(a)anthracene	7.	J	350.	U	360.	U	350.	U	94.	J	350.	U
50-32-8	Benzo(a)pyrene	150.	U	150.	U	150.	U	150.	U	110.	J	150.	U
205-99-2	Benzo(b)fluoranthene	12.	J	350.	U	360.	U	350.	U	170.	J	350.	U
191-24-2	Benzo(g,h,i)perylene	350.	U	350.	U	360.	U	350.	U	92.	J	350.	U
207-08-9	Benzo(k)fluoranthene	350.	U	350.	U	360.	U	350.	U	64.	J	350.	U

*** Validation Complete ***

DATALCP3
07/08/96

NAS PENSACOLA
SITE 17
Soil samples

SVOA		017-S-0004-01 RE		017-S-0004-05 RE		[illegible]		017-S-0005-05 RE		017-S-0006-01		017-S-0006-05 RE	
	ORIGINAL ID ----->	017S000401		017S000405		017S000501		017S000505		017S000601		017S000605	
	LAB SAMPLE ID --->	S555009*24		S555009*25		S555009*9		S555009*26		S555009*11		S555009*27	
	ID FROM REPORT -->	017S000401		017S000405		017S000501		017S000505		017S000601		017S000605	
	SAMPLE DATE ----->	09/08/95		09/08/95		[illegible]		09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED -->	09/22/95		09/26/95		09/13/95		09/22/95		09/22/95		09/22/95	
	DATE ANALYZED --->	10/02/95		10/11/95		09/21/95		09/29/95		09/29/95		09/29/95;	
	MATRIX ---------->	Solt		Soil		sot 1		Soil		Soil		Sol ▮	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENPW	VAL	ENP09	VAL	ENPW	VAL	ENP09	VAL	ENP09	VAL	ENPW	VAL
85-68-7	Butylbenzylphthalate	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
86-74-8	Carbazole	350.	U	350.	U	360.	U	350.	U	19.	J	350.	U
218-01-9	Chrysene	9.	J	350.	U	360.	U	350.	U	120.	J	350.	U
84-74-2	Di-n-butylphthalate	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
117-84-0	Di-n-octyl phthalate	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
53-70-3	Dibenz(a,h)anthracene	150.	U	150.	U	150.	U	150.	U	26.	J	150.	U
132-64-9	Dibenzofuran	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
84-66-2	Diethylphthalate	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
131-11-3	Dimethyl phthalate	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
206-44-0	Fluoranthene	10.	J	350.	U	360.	U	350.	U	240.	J	350.	U
86-73-7	Fluorene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
118-74-1	Hexachlorobenzene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
87-68-3	Hexachlorobutadiene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
77-47-4	Hexachlorocyclopentadiene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
67-72-1	Hexachloroethane	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
193-39-5	Indeno(1,2,3-cd)pyrene	350.	U	350.	U	360.	U	350.	U	86.	J	350.	U
78-59-1	Isophorone	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
621-64-7	N-Nitroso-di-n-propylamine	62.	U	64.	U	65.	U	64.	U	62.	U	62.	U
122-39-4	Diphenylamine	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
91-20-3	Naphthalene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
98-95-3	Nitrobenzene	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
87-86-5	Pentachlorophenol	860.	U	850.	U	'870.	U	860.	U	820.	U	860.	U
85-01-8	Phenanthrene	350.	U	15.	J	360.	U	350.	U	160.	J	350.	U
108-95-2	Phenol	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
129-00-0	Pyrene	12.	J	350.	U	360.	U	350.	U	240.	J	350.	U
111-91-1	bis(2-Chloroethoxy)methane	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
111-44-4	bis(2-Chloroethyl)ether	350.	U	350.	U	360.	U	350.	U	340.	U	350.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	30.	J	34.	U	360.	U	350.	U	340.	U	350.	U
86-30-6	N-Nitrosodiphenylamine	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

SAMPLE ID ------->	017-S-0007-01 RE	017-S-0007-05 RE	017-C-0007-05 RE	017-S-0008-01 RE	017-S-0008-05 RE	
ORIGINAL ID ----->	017S000701	017S000705	017C000705	017S000801	017S000805	
LAB SAMPLE ID --->	S555009*28	S555009*29	S555009*30	S555009*31	S555009*32	
ID FROM REPORT -->	017S000701	017S000705	017C000705	017S000801	017S000805	
SAMPLE DATE ----->	09/08/95	09/08/95	09/08/95	09/08/95	09/08/95	
DATE -->	09/22/95	09/22/95	09/22/95	09/22/95	09/22/95	
DATE ANALYZED --->	09/29/95	09/29/95	09/29/95	09/29/95	09/29/95	
MATRIX ---------->	Soil	Soil	Soil	Soil	Soil	
UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	

CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	
120-82-1	1,2,4 Trichlorobenzene	360.	UR	350.	U	350.	U	360.	U	350.	U	
95-50-1	1,2-Dichlorobenzene	360.	U	350.	U	350.	U	360.	U	350.	U	
541-73-1	1,3-Dichlorobenzene	360.	U	350.	U	350.	U	360.	U	350.	U	
106-46-7	1,4-Dichlorobenzene	360.	U	350.	U	350.	U	360.	U	350.	U	
96[illegible]	[illegible] Ether	360.	U	350.	U	350.	U	360.	U	350.	U	
95-95-4	[illegible]	870.	U	840.	U	840.	U	870.	U	650.	U	
88-06-2	2,4,6-Trichlorophenol	360.	U	350.	U	350.	U	360.	U	350.	U	
120-83-2	2,4-Dichlorophenol	360.	U	350.	U	350.	U	360.	U	350.	U	
105-67-9	2,4-Dimethylphenol	360.	U	350.	U	350.	U	360.	U	350.	U	
51-28-5	2,4-Dinitrophenol	870.	U	840.	U	840.	U	870.	U	850.	U	
121-14-2	2,4-Dinitrotoluene	360.	U	350.	U	350.	U	360.	U	350.	U	
606-20-2	2,6-Dinitrotoluene	360.	U	350.	U	350.	U	360.	U	350.	U	
1[illegible]	2-Chloronaphthalene	360.	U	350.	U	350.	U	360.	U	350.	U	
[illegible]	2-Chlorophenol	360.	U	350.	U	350.	U	360.	U	350.	U	
[illegible]-57-[illegible]	2-Methylnaphthalene	360.	U	350.	U	350.	U	360.	U	350.	U	
95-[illegible]	2-Methylphenol (o-Cresol)	360.	U	350.	U	350.	U	360.	U	350.	U	
88-74-4	2-Nitroaniline	670.	U	840.	U	840.	U	870.	U	650.	U	
[illegible]	2-Nitrophenol	360.	U	350.	U	350.	U	360.	U	350.	U	
1[illegible]4-1	3,3'-Dichlorobenzidine	360.	U	350.	U	350.	U	360.	U	350.	U	
[illegible]	3-Methylphenol/4-Methylphenol	360.	U	350.	U	350.	U	360.	U	350.	U	
99-09-2	3-Nitroaniline	870.	U	840.	U	840.	U	870.	U	650.	U	
534-52-1	4,6-Dinitro-2-methylphenol	670.	U	840.	U	840.	U	870.	U	850.	U	
1[illegible]55-[illegible]	4-Bromophenyl-phenylether	360.	U	350.	U	350.	U	360.	U	350.	U	
[illegible]	4-Chloro-3-Methylphenol	360.	U	350.	U	350.	U	360.	U	350.	U	
[illegible]7-[illegible]	4-Chloroaniline	360.	U	350.	U	350.	U	360.	U	350.	U	
[illegible]	4-Chlorophenylphenylether	360.	U	350.	U	350.	U	360.	U	350.	U	
[illegible]1	4-Nitroaniline	870.	U	840.	U	840.	U	870.	U	850.	U	
100-02-7	4-Nitrophenol	870.	U	840.	U	840.	U	870.	U	850.	U	
83-32-9	Acenaphthene	360.	U	350.	U	350.	U	36.	J	350.	U	
[illegible]	Acenaphthylene	360.	U	350.	U	350.	U	360.	U	350.	U	
1[illegible]12-[illegible]	Anthracene	360.	U	350.	U	350.	U	54.	J	350.	U	
[illegible]	Benzo(a)anthracene	28.	J	350.	U	350.	U	160.	J	350.	U	
50-32-8	Benzo(a)pyrene	34.	J	150.	U	150.	U	160.	J	150.	U	
[illegible]	Benzo(b)fluoranthene	53.	J	350.	U	350.	U	230.	J	350.	U	
191-24-2	Benzo(g,h,i)perylene	24.	J	350.	U	350.	U	120.	J	350.	U	
207-08-9	Benzo(k)fluoranthene	18.	J	350.	U	350.	U	96.	J	350.	U	

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

SVOA											
	SAMPLE ID ------->	017-S-0007-01 RE		017-S-0007-05 RE		017-C-0007-05 RE		017-S-0008-01 RE		017-S-0008-05 RE	
	ORIGINAL ID ----->	017S000701		017S000705		017C000705		017S000801		017S000805	
	LAB SAMPLE ID --->	S555009*28		S555009*29		S555009*30		S555009*31		S555009*32	
	ID FROM REPORT -->	017S000701		017S000705		017C000705		017S000801		017S000805	
	SAMPLE DATE ----->	09/08/95		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE EXTRACTED -->	09/22/95		09/22/95		09/22/95		09/22/95		09/22/95	
	DATE ANALYZED --->	09/29/95		09/29/95		09/29/95		09/29/95		09/29/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil	
	UNITS ----------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
85-68-7	Butylbenzylphthalate	360.	U	350.	U	350.	U	360.	U	350.	U
86-74-8	Carbazole	360.	U	350.	U	350.	U	36.	J	350.	U
218-01-9	Chrysene	32.	J	350.	U	350.	U	170.	J	350.	U
84-74-2	Di-n-butylphthalate	360.	U	350.	U	350.	U	360.	U	350.	U
117-84-0	Di-n-octyl phthalate	360.	U	350.	U	350.	U	360.	U	350.	U
53-70-3	Dibenz(a,h)anthracene	150.	U	150.	U	150.	U	24.	J	150.	U
132-64-9	Dibenzofuran	360.	U	350.	U	350.	U	360.	U	350.	U
84-66-2	Diethylphthalate	360.	U	350.	U	350.	U	360.	U	350.	U
131-11-3	Dimethyl phthalate	360.	U	350.	U	350.	U	360.	U	350.	U
206-44-0	Fluoranthene	48.	J	350.	U	350.	U	330.	J	350.	U
86-73-7	Fluorene	360.	U	350.	U	350.	U	25.	J	350.	U
118-74-1	Hexachlorobenzene	360.	U	350.	U	350.	U	360.	U	350.	U
68 3	[illegible]ichloroutadiene	360.	U	350.	U	350.	U	360.	U	350.	U
[illegible]	[illegible]	360.	U	350.	U	350.	U	360.	U	350.	U
57 72 1	[illegible]	360.	U	350.	U	350.	U	360.	U	350.	U
[illegible]	Indeno(,2,3-cd)pyrene	26.	J	350.	U	350.	U	110.	J	350.	U
78-59-1	Isophorone	360.	U	350.	U	350.	U	360.	U	350.	U
621-64.?	N-Nitroso-di-n-propylamine	65.	U	63.	U	63.	U	65.	U	64.	U
122-39-4	Diphenylamine	360.	U	350.	U	350.	U	360.	U	350.	U
91-20-3	Naphthalene	360.	U	350.	U	350.	U	360.	U	350.	U
98-95-3	Nitrobenzene	360.	U	350.	U	350.	U	360.	U	350.	U
87-86-5	Pentachlorophenol	870.	U	840.	U	840.	U	870.	U	850.	U
85-01-8	Phenanthrene	23.	J	350.	U	350.	U	280.	J	350.	U
108-95-2	Phenol	360.	U	350.	U	350.	U	360.	U	350.	U
129-00-0	Pyrene	55.	J	350.	U	350.	U	360.		350.	U
111-91-1	bis(2-Chloroethoxy)methane	360.	U	350.	U	350.	U	360.	U	350.	U
111-44-4	bis(2-Chloroethyl)ether	360.	U	350.	U	350.	U	360.	U	350.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	360.	U	350.	U	350.	U	360.	U	350.	U
86-30-6	N-Nitrosodiphenylamine	NR		NR		NR		NR		NR	

NAS PENSACOLA
SITE 17
Soil Samples

VOA																			
	SAMPLE ID ------->	017-S-0001-01		017-N-0001-01		017-S-0001-05		017-S-0002-01		017-S-0002-05		017-S-0003-01	
	ORIGINAL ID ----->	017S000101		017N000101		017S000105		017S000201		017S000205		017S000301	
	LAB SAMPLE ID --->	S555009*1		S555252*2		S555009*2		S555009*3		S555009*4		S555009*5	
	ID FROM REPORT -->	017S000101		017N000101		017S000105		017S000201		017S000205		017S000301	
	SAMPLE DATE ----->	09/08/95		09/20/95		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE ANALYZED --->	09/15/95		09/26/95		09/15/95		09/15/95		09/15/95		09/15/95	
	MATRIX ---------->	Soil		Sediment		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENP09	VAL	ENP10	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
71-55-6	1,1,1-Trichloroethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	UR	14.	U	10.	U	11.	U	11.	UJ	11.	U
79-00-5	1,1,2-Trichloroethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
75-34-3	1,1-Dichloroethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
75-35-4	1,1-Dichloroethene	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
107-06-2	1,2-Dichloroethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
78-87-5	1,2-Dichloropropane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
78-93-3	2-Butanone (MEK)	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
591-78-6	2-Hexanone	10.	UR	14.	U	10.	U	11.	U	11.	UJ	11.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	UR	14.	U	10.	U	11.	U	11.	UJ	11.	U
67-64-1	Acetone	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
71-43-2	Benzene	10.	UR	14.	U	10.	U	0.5	J	11.	U	11.	U
75-27-4	Bromodichloromethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
75-25-2	Bromoform	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
74-83-9	Bromomethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
75-15-0	Carbon disulfide	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
56-23-5	Carbon tetrachloride	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
108-90-7	Chlorobenzene	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
75-00-3	Chloroethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
67-66-3	Chloroform	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
74-87-3	Chloromethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
540-59-0	1,2-Dichloroethene (total)	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
124-48-1	Dibromochloromethane	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
100-41-4	Ethylbenzene	10.	UR	14.	U	10.	U	11.	U	11.	UJ	11.	U
75-09-2	Methylene chloride	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
100-42-5	Styrene	10.	UR	14.	U	10.	U	11.	U	11.	UJ	11.	U
127-18-4	Tetrachloroethene	10.	UR	14.	U	10.	U	11.	U	11.	UJ	11.	U
108-88-3	Toluene	10.	UR	14.	U	10.	U	11.	U	11.	UJ	11.	U
79-01-6	Trichloroethene	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
75-01-4	Vinyl chloride	4.	UR	6.	U	4	U	4.	U	4.	U	4.	U
1330-20-7	Xylene (Total)	10.	UR	14.	U	10.	U	11.	U	11.	UJ	11.	U
10061-01-5	cis-1,3-Dichloropropene	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
10061-02-6	trans-1,3-Dichloropropene	10.	UR	14.	U	10.	U	11.	U	11.	U	11.	U
96-12-8	1,2-Dibromo-3-Chloropropane	NR		NR		NR		NR		NR		NR	
106-93-4	1, 2-Dibromoethane	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

VOA							
	SAMPLE ID ------->	017-S-0001-01	017-N-0001-01	017-S-0001-05	017-S-0002-01	017-S-0002-05	017-S-0003-01
	ORIGINAL ID ----->	017S000101	017N000101	017S000105	017S000201	017S000205	017S000301
	LAB SAMPLE ID --->	S555009*1	S555252*2	S555009*2	S555009*3	S555009*4	S555009*5
	ID FROM REPORT -->	017S000101	017N000101	017S000105	017S000201	017S000205	017S000301
	SAMPLE DATE ----->	09/08/95	09/20/95	09/08/95	09/08/95	09/08/95	09/08/95
	DATE ANALYZED --->	09/15/95	09/26/95	09/15/95	09/15/95	09/15/95	09/15/95
	MATRIX ---------->	Soil	Sediment	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	ENP09 VAL	ENP10 VAL	ENP09 VAL	ENP09 VAL	ENP09 VAL	ENP09 VAL
106-46-7	1,4-Dichlorobenzene	WR	NR	WR	NR	NR	NR
74-97-5	Chlorobromomethane	NR	NR	NR	NR	NR	NR
156-59-2	cis-1,2-Dichloroethene	NR	NR	WR	NR	NR	NR
156-60-5	trans-1,2-Dichloroethene	NR	NR	NR	NR	NR	NR

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

VOA													
	SAMPLE ID ------->	017-S-0003-05		017-S-0004-01		017-S-0004-05		017-S-0005-01		017-S-0005-05		017-S-0006-01	
	ORIGINAL ID ----->	017S000305		017S000401		017S000405		017S000501		017S000505		017S000601	
	LAB SAMPLE ID --->	S555009*6		S555009*7		S555009*8		S555009*9		S555009*10		S555009*11	
	ID FROM REPORT -->	017S000305		017S000401		017S000405		017S000501		017S000505		017S000601	
	SAMPLE DATE ----->	09/08/95		09/08/95		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE ANALYZED --->	09/15/95		09/15/95		09/15/95		09/15/95		09/15/95		09/15/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
71-55-6	1,1,1-Trichloroethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
75-34-3	1,1-Dichloroethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
75-35-4	1,1-Dichloroethene	2	J	11.	U	11.	U	11.	U	11.	U	10.	U
107-06-2	1,2-Dichloroethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
78-87-5	1,2-Dichloropropane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
78-93-3	2-Butanone (MEK)	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
591-78-6	2-Hexanone	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
67-64-1	Acetone	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
71-43-2	Benzene	2	J	11.	U	11.	U	11.	U	11.	U	10.	U
75-27-4	Bromodichloromethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
75-25-2	Bromoform	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
74-83-9	Bromomethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
75-15-0	Carbon disulfide	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
56-23-5	Carbon tetrachloride	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
108-90-7	Chlorobenzene	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
75-00-3	Chloroethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
67-66-3	Chloroform	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
74-87-3	Chloromethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
124-48-1	Dibromochloromethane	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
100-41-4	Ethylbenzene	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
75-09-2	Methylene chloride	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
100-42-5	Styrene	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
127-18-4	Tetrachloroethene	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
108-88-3	Toluene	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
79-01-6	Trichloroethene	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
75-01-4	Vinyl chloride	4.	U	4.	U	4.	U	4.	U	4.	U	4.	U
1330-20-7	Xylene (Total)	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U	11.	U	11.	U	11.	U	11.	U	10.	U
96-12-8	1,2-Dibromo-3-Chloropropane	NR		NR		NR		NR		NR		NR	
106-93-4	1, 2-Dibromoethane	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
541-73-1	DI	NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

VOA							
	SAMPLE ID ------->	017-S-0003-05	017-S-0004-01	017-S-0004-05	017-S-0005-01	017-S-0005-05	017-S-0006-01
	ORIGINAL ID ----->	017S000305	017S000401	017S000405	017S000501	017S000505	017S000601
	LAB SAMPLE ID --->	S555009*6	S555009*7	S555009*8	S555009*9	S555009*10	S555009*11
	ID FROM REPORT -->	017S000305	017S000401	017S000405	017S000501	017S000505	017S000601
	SAMPLE DATE ----->	09/08/95	09/08/95	09/08/95	09/08/95	09/08/95	09/08/95
	DATE ANALYZED --->	09/15/95	09/15/95	09/15/95	09/15/95	09/15/95	09/15/95
	MATRIX ---------->	Soil	Soil	Soil	Soil	soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	ENP09 VAL	ENP09 VAL	ENP09 VAL	ENPW VAL	ENPW VAL	ENP09 VAL
106-46-7	1,4-Dichlorobenzene	NR	NR	NR	NR	NR	NR
74-97-5	Chlorobromomethane	NR	NR	NR	NR	NR	NR
156-59-2	cis-1,2-Dichloroethene	NR	NR	NR	NR	NR	NR
156-60-5	trans-1,2-Dichloroethene	NR	NR	NR	NR	NR	NR

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

VOA													
	SAMPLE ID ------->	017-S-0006-05		017-S-0007-01		017-S-0007-05		017-C-0007-05		017-S-0008-01		017-S-0008-05	
	ORIGINAL ID ----->	017S000605		017S000701		017S000705		017C000705		017S000801		017S000805	
	LAB SAMPLE ID --->	S555009*12		S555009*13		S555009*14		S555009*15		S555009*16		S555009*17	
	ID FROM REPORT -->	017S000605		017S000701		017S000705		017C000705		017S000801		017S000805	
	SAMPLE DATE ----->	09/08/95		09/08/95		09/08/95		09/08/95		09/08/95		09/08/95	
	DATE ANALYZED --->	09/16/95		09/15/95		09/15/95		09/15/95		09/16/95		09/15/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Soil		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/KG		UG/KG	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL
71-55-6	1,1,1-Trichloroethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
79-00-5	1,1,2-Trichloroethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
75-34-3	1,1-Dichloroethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
75-35-4	1,1-Dichloroethene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
107-06-2	1,2-Dichloroethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
78-87-5	1,2-Dichloropropane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
78-93-3	2-Butanone (MEK)	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
591-78-6	2-Hexanone	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
67-64-1	Acetone	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
71-43-2	Benzene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
75-27-4	Bromodichloromethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
75-25-2	Bromoform	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
74-83-9	Bromomethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
75-15-0	Carbon disulfide	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
56-23-5	Carbon tetrachloride	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
108-90-7	Chlorobenzene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
75-00-3	Chloroethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
67-66-3	Chloroform	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
74-87-3	Chloromethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
540-59-0	1,2-Dichloroethene (total)	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
124-48-1	Dibromochloromethane	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
100-41-4	Ethylbenzene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
75-09-2	Methylene chloride	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
100-42-5	Styrene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
127-18-4	Tetrachloroethene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
108-88-3	Toluene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
79-01-6	Trichloroethene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
75-01-4	Vinyl chloride	4.	U	4.	U	4.	U	4.	U	4.	U	4.	U
1330-20-7	Xylene (Total)	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
10061-01-5	cis-1,3-Dichloropropene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
10061-02-6	trans-1,3-Dichloropropene	11.	U	11.	U	10.	U	10.	U	11.	U	10.	U
96-12-8	1,2-Dibromo-3-Chloropropane	NR		NR		NR		NR		NR		MR	
106-93-4	1, 2-Dibromoethane	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		MR		MR		WR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		WR		NR	

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Soil Samples

VOA							
	SAMPLE ID ------->	017-S-0006-05	017-S-0007-01	017-S-0007-05	017-C-0007-05	017-S-0008-01	017-S-0008-05
	ORIGINAL ID ----->	017S000605	017S000701	017S000705	017C000705	017S000801	017S000805
	LAB SAMPLE ID --->	S555009*12	S555009*13	S555009*14	S555009*15	S555009*16	S555009*17
	ID FROM REPORT -->	017S000605	017S000701	017S000705	017C000705	017S000801	017S000805
	SAMPLE DATE ----->	09/08/95	09/08/95	09/08/95	09/08/95	09/08/95	09/08/95
	DATE ANALYZED --->	09/16/95	09/15/95	09/15/95	09/15/95	09/16/95	09/15/95
	MATRIX ---------->	soil	Soil	Soil	Soil	Soil	Soil
	UNITS ---------->	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
CAS #	Parameter	ENP09 VAL	ENP09 VAL	ENP09 VAL	ENP09 VAL	ENP09 VAL	ENP09 VAL
106-46-7	1,4-Dichlorobenzene	NR	NR	NR	NR	NR	NR
74-97-5	Chlorobromomethane	NR	NR	NR	NR	NR	NR
156-59-2	cis-1,2-Dichloroethene	NR	NR	NR	NR	NR	NR
156-60-5	trans-1,2-Dichloroethene	NR	NR	NR	NR	NR	NR

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Sediment Samples

METAL								
	SAMPLE ID ------->	017-N-0001-01		017-N-0001-01				
	ORIGINAL ID ----->	017N000101		017N000101				
	LAB SAMPLE ID --->	S555252*1		S555252*2				
	ID FROM REPORT -->	017N000101		017N000101				
	SAMPLE DATE ----->	09/20/95		09/20/95				
	DATE EXTRACTED -->	10/09/95		10/09/95				
	DATE ANALYZED --->	10/12/95		10/10/95				
	MATRIX ---------->	Sediment		Sediment				
	UNITS ---------->	MG/KG		MG/KG				
CAS #	Parameter	ENP10	VAL	ENP10	VAL			
7440-38-2	Arsenic (As)	0.04	J	5.6	J			
7439-97-6	Mercury (Hg)	0.2		0.27				
7439-92-1	Lead (Pb)	309.		300.				
7782-49-2	Selenium (Se)	0.14	UR	0.15	UR			
57-12-5	Cyanide (CN)	0.34	U	0.36	U			
7429-90-5	Aluminum (Al)	2850.		2490.				
7440-36-0	Antimony (Sb)	9.3	J	7.4	J			
7440-39-3	Barium (Ba)	95.8		444.				
7440-41-7	Beryllium (Be)	0.48		0.36				
7440-43-9	Cadmium (Cd)	4.1		3.5				
7440-70-2	Calcium (Ca)	37800.	J	30800.	J			
7440-47-3	Chromium (Cr)	21.		24.				
7440-48-4	Cobalt (Co)	2.1	J	2.4	J			
7440-50-8	Copper (Cu)	140.		140.				
7439-89-6	Iron (Fe)	8760.	J	9170.	J			
7439-95-4	Magnesium (Mg)	2600.		1920.				
7439-96-5	Manganese (Mn)	192.	J	170.	J			
7440-02-0	Nickel (Ni)	6.2		7.2				
7440-09-7	Potassium (K)	270.	J	194.	J			
7440-22-4	Silver (Ag)	0.46	J	0.31	J			
7440-23-5	Sodium (Na)	284.	J	213.	J			
7440-62-2	Vanadium (V)	8.5		8.9				
7440-66-6	Zinc (Zn)	408.	J	448.	J			
7440-28-0	Thallium (Tl)	0.13	UJ	0.14	UN			

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Sediment Samples

PEST									
		SAMPLE ID ------->	017-M-0001-01		017-N-0001-01				
		ORIGINAL ID ----->	017M000101		017N000101				
		LAB SAMPLE ID --->	S555252*1		S555252*2				
		ID FROM REPORT -->	017M000101		017N000101				
		SAMPLE DATE ----->	09/20/95		09/20/95				
		DATE EXTRACTED -->	09/26/95		09/26/95				
		DATE ANALYZED --->	10/12/95		10/12/95				
		MATRIX ---------->	Sediment		Sediment				
		UNITS ---------->	UG/KG		UG/KG				
CAS #	Parameter		ENP10	VAL	ENP10	VAL			
72-54-8	4,4'-DDD		22.	U	24.	U			
72-55-9	4,4'-DDE		39.		32.	J			
50-29-3	4,4'-DDT		520.	DJ	600.	DJ			
309-00-2	Aldrin		11.	UJ	12.	UJ			
12674-11-2	Aroclor-1016		220.	U	240.	U			
11104-28-2	Aroclor-1221		450.	U	480.	U			
11141-16-5	Aroclor-1232		220.	U	240.	U			
53469-21-9	Aroclor-1242		220.	U	240.	U			
12672-29-6	Aroclor-1248		220.	U	240.	U			
11097-69-1	Aroclor-1254		220.	U	240.	U			
11096-82-5	Aroclor-1260		6600.	D	7400.	D			
60-57-1	Dieldrin		91.	J	83.	J			
959-98-8	Endosulfan I		11.	U	12.	U			
33213-65-9	Endosulfan II		22.	UJ	24.	UJ			
1031-07-8	Endosulfan sulfate		22.	UJ	24.	UJ			
72-20-8	Endrin		530.	DJ	660.	DJ			
7421-93-4	Endrin aldehyde		530.	DJ	730.	DJ			
53494-70-5	Endrin ketone		22.	UJ	24.	UJ			
76-44-8	Heptachlor		11.	U	12.	U			
1024-57-3	Heptachlor epoxide		11.	UJ	12.	UJ			
72-43-5	Methoxychlor		110.	U	120.	U			
8001-35-2	Toxaphene		1100.	U	1200.	U			
319-84-6	alpha-BHC		11.	U	12.	U			
5103-71-9	alpha-Chlordane		4.2	J	3.1	J			
319-85-7	beta-BHC		11.	UJ	12.	UJ			
319-86-8	delta-BHC		11.	UJ	12.	UJ			
58-89-9	gamma-BHC (Lindane)		11.	U	12.	U			
5103-74-2	gamma-Chlordane		24.	J	16.	J			

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Sediment Samples

SVOA

SAMPLE ID ------->	017-M-0001-01
ORIGINAL ID ----->	017M000101
LAB SAMPLE ID --->	S555252*1
ID FROM REPORT -->	017M000101
SAMPLE DATE ----->	09/20/95
DATE EXTRACTED -->	09/26/95
DATE ANALYZED --->	10/11/95
MATRIX ---------->	Sediment
UNITS ---------->	UG/KG

CAS #	Parameter	ENP10	VAL
120-82-1	1,2,4-Trichlorobenzene	440.	U
95-50-1	1,2-Dichlorobenzene	440.	U
541-73-1	1,3-Dichlorobenzene	440.	U
106-46-7	1,4-Dichlorobenzene	440.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether	440.	U
95-95-4	2,4,5-Trichlorophenol	1100.	U
88-06-2	2,4,6-Trichlorophenol	440.	U
120-83-2	2,4-Dichlorophenol	440.	U
105-67-9	2,4-Dimethylphenol	440.	U
51-28-5	2,4-Dinitrophenol	1100.	UJ
121-14-2	2,4-Dinitrotoluene	440.	U
606-20-2	2,6-Dinitrotoluene	440.	U
91-58-7	2-Chloronaphthalene	440.	U
95-57-8	2-Chlorophenol	440.	U
91-57-6	2-Methylnaphthalene	64.	J
95-48-7	2-Methylphenol (o-Cresol)	440.	U
88-74-4	2-Nitroaniline	1100.	U
88-75-5	2-Nitrophenol	440.	U
91-94-1	3,3'-Dichlorobenzidine	440.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	440.	U
99-09-2	3-Nitroaniline	1100.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	1100.	U
101-55-3	4-Bromophenyl-phenylether	440.	U
59-50-7	4-Chloro-3-methylphenol	440.	U
106-47-8	4-Chloroaniline	440.	U
7005-72-3	4-Chlorophenylphenylether	440.	U
100-01-6	4-Nitroaniline	1100.	U
100-02-7	4-Nitrophenol	1100.	U
83-32-9	Acenaphthene	140.	J
208-96-8	Acenaphthylene	41.	J
120-12-7	Anthracene	170.	J
56-55-3	Benzo(a)anthracene	1000.	
50-32-8	Benzo(a)pyrene	600.	
205-99-2	Benzo(b)fluoranthene	2000.	
191-24-2	Benzo(g,h,i)perylene	110.	J
207-08-9	Benzo(k)fluoranthene	120.	J

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Sediment Samples

SVOA

SAMPLE ID ------->	017-M-0001-01
ORIGINAL ID ----->	017M000101
LAB SAMPLE ID --->	S555252*1
ID FROM REPORT -->	017M000101
SAMPLE DATE ----->	09/20/95
DATE EXTRACTED -->	09/26/95
DATE ANALYZED --->	10/11/95
MATRIX ---------->	Sediment
UNITS ---------->	UG/KG

CAS #	Parameter	ENP10	VAL
85-68-7	Butylbenzylphthalate	190.	J
86-74-8	Carbazole	300.	J
218-01-9	Chrysene	1500.	
84-74-2	Di-n-butylphthalate	220.	J
117-84-0	Di-n-octyl phthalate	100.	J
53-70-3	Dibenz(a,h)anthracene	160.	J
132-64-9	Dibenzofuran	82.	J
84-66-2	Diethylphthalate	440.	U
131-11-3	Dimethyl phthalate	440.	U
206-44-0	Fluoranthene	2400.	
86-73-7	Fluorene	130.	J
118-74-1	Hexachlorobenzene	440.	U
87-68-3	Hexachlorobutadiene	440.	U
77-47-4	Hexachlorocyclopentadiene	440.	U
67-72-1	Hexachloroethane	440.	U
193-39-5	Indeno(1,2,3-cd)pyrene	77.	J
78-59-1	Isophorone	440.	U
621-64-7	N-Nitroso-di-n-propylamine	81.	U
122-39-4	Diphenylamine	440.	U
91-20-3	Naphthalene	66.	J
98-95-3	Nitrobenzene	440.	U
87-86-5	Pentachlorophenol	1100.	U
85-01-8	Phenanthrene	1800.	
108-95-2	Phenol	440.	U
129-00-0	Pyrene	1800.	
111-91-1	bis(2-Chloroethoxy)methane	440.	U
111-44-4	bis(2-Chloroethyl)ether	440.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	860.	U
86-30-6	N-Nitrosodiphenylamine	NR	

NAS PENSACOLA
SITE 17
Sediment Samples

VOA								
	SAMPLE ID ------->	017-M-0001-01		017-N-0001-01				
	ORIGINAL ID ----->	017M000101		017N000101				
	LAB SAMPLE ID --->	S555252*1		S555252*2				
	ID FROM REPORT -->	017M000101		017N000101				
	SAMPLE DATE ----->	09/20/95		09/20/95				
	DATE ANALYZED --->	09/26/95		09/26/95				
	MATRIX ---------->	Sediment		Sediment				
	UNITS ---------->	UG/KG		UG/KG				
CAS #	Parameter	ENP10	VAL	ENP10	VAL			
71-55-6	1,1,1-Trichloroethane	14.	U	14.	U			
79-34-5	1,1,2,2-Tetrachloroethane	14.	U	14.	U			
79-00-5	1,1,2-Trichloroethane	14.	U	14.	U			
75-34-3	1,1-Dichloroethane	14.	U	14.	U			
75-35-4	1,1-Dichloroethene	14.	U	14.	U			
107-06-2	1,2-Dichloroethane	14.	U	14.	U			
78-87-5	1,2-Dichloropropane	14.	U	14.	U			
78-93-3	2-Butanone (MEK)	14.	U	14.	U			
591-78-6	2-Hexanone	14.	U	14.	U			
108-10-1	4-Methyl-2-Pentanone (MIBK)	14.	U	14.	U			
67-64-1	Acetone	14.	U	14.	U			
71-43-2	Benzene	14.	U	14.	U			
75-27-4	Bromodichloromethane	14.	U	14.	U			
75-25-2	Bromoform	14.	U	14.	U			
74-83-9	Bromomethane	14.	U	14.	U			
75-15-0	Carbon disulfide	14.	U	14.	U			
56-23-5	Carbon tetrachloride	14.	U	14.	U			
108-90-7	Chlorobenzene	14.	U	14.	U			
75-00-3	Chloroethane	14.	U	14.	U			
67-66-3	Chloroform	14.	U	14.	U			
74-87-3	Chloromethane	14.	U	14.	U			
540-59-0	1,2-Dichloroethene (total)	14.	U	14.	U			
124-48-1	Dibromochloromethane	14.	U	14.	U			
100-41-4	Ethylbenzene	14.	U	14.	U			
75-09-2	Methylene chloride	14.	U	14.	U			
100-42-5	Styrene	14.	U	14.	U			
127-18-4	Tetrachloroethene	14.	U	14.	U			
108-88-3	Toluene	14.	U	14.	U			
79-01-6	Trichloroethene	14.	U	14.	U			
75-01-4	Vinyl chloride	5.	U	6.	U			
1330-20-7	Xylene (Total)	14.	U	14.	U			
10061-01-5	cis-1,3-Dichloropropene	14.	U	14.	U			
10061-02-6	trans-1,3-Dichloropropene	14.	U	14.	U			
96-12-8	1,2-Dibromo-3-Chloropropane	NR		NR				
106-93-4	1, 2-Dibromoethane	NR		NR				
95-50-1	1,2-Dichlorobenzene	NR		NR				
541-73-1	1,3-Dichlorobenzene	NR		NR				

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Sediment Samples

VOA							
	SAMPLE ID ------->	017-M-0001-01	017-N-0001-01				
	ORIGINAL ID ----->	017M000101	017N000101				
	LAB SAMPLE ID --->	S555252*1	S555252*2				
	ID FROM REPORT -->	017M000101	017N000101				
	SAMPLE DATE ----->	09/20/95	09/20/95				
	DATE ANALYZED --->	09/26/95	09/26/95				
	MATRIX ---------->	Sediment	Sediment				
	UNITS ---------->	UG/KG	UG/KG				
CAS #	Parameter	ENP10 VAL	ENP10 VAL				
106-46-7	1,4-Dichlorobenzene	NR	NR				
74-97-5	Chlorobromomethane	NR	NR				
156-59-2	cis-1,2-Dichloroethene	NR	NR				
156-60-5	trans-1,2-Dichloroethene	NR	NR				

DATALCP3
07/08/96

NAS PENSACOLA
SITE 17
Sediment Samples

TOC							
	SAMPLE ID ------->	017-M-0001-01					
	ORIGINAL ID ----->	017M000101					
	LAB SAMPLE ID --->	S555252A*1					
	ID FROM REPORT -->	017M000101					
	SAMPLE DATE ----->	09/20/95					
	DATE ANALYZED --->	09/26/95					
	MATRIX ---------->	Sediment					
	UNITS ---------->	MG/KG					
CAS #	Parameter	ENP09					
9999900-01-4	Total Organic Carbon (TOC)	32000.					

NAS PWSACOLA
SITE 17
Groundwater Samples

METAL													
	SAMPLE ID ------->	017-G-GR01-01		017-G-GR02-01		017-G-GR03-01		017-G-GR04-01		017-G-GR05-01		017-N-GR05-01	
	ORIGINAL ID ----->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017NGR0501	
	LAB SAMPLE ID --->	S555158*1		S555158*2		S555158*3		S555158*4		S555158*5		S555158*6	
	ID FROM REPORT -->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017NGR0501	
	SAMPLE DATE ----->	09/15/95		09/15/95		09/15/95		09/15/95		09/15/95		09/15/95	
	DATE EXTRACTED -->	09/20/95		09/20/95		09/20/95		09/20/95		09/20/95		09/20/95	
	DATE ANALYZED --->	10/09/95		10/09/95		10/09/95		10/09/95		10/09/95		10/09/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL
7440-38-2	Arsenic (As)	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
7439-97-6	Mercury (Hg)	0.06	U	0.06	U	0.06	U	0.06	U	0.06	U	0.06	U
7439-92-1	Lead (Pb)	1.3	J	0.75	U	0.75	U	0.75	U	0.75	U	0.75	U
7782-49-2	Selenium (Se)	1.3	U	2.	J	1.7	J	2.1	J	2.3	J	2.7	J
57-12-5	Cyanide (CN)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
7429-90-5	Aluminum (Al)	304.		336.		271.		191.	J	207.		278.	
7440-36-0	Antimony (Sb)	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U	2.3	U
7440-39-3	Barium (Ba)	33.6	J	26.2	J	23.5	J	20.	J	17.4	J	16.9	J
7440-41-7	Beryllium (Be)	0.3	J	0.14	U	0.14	U	0.14	U	0.14	U	0.14	U
7440-43-9	Cadmium (Cd)	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U	1.4	U
7440-70-2	Calcium (Ca)	47200.		41700.		42100.		53800.		34400.		32200.	
7440-47-3	Chromium (Cr)	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U	4.2	U
7440-48-4	Cobalt (Co)	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U	1.2	U
7440-50-8	Copper (Cu)	4.2	U	13.5	U	8.3	U	4.7	U	3.2	U	4.7	U
7439-89-6	Iron (Fe)	14.	J	40.7	J	24.4	J	9.	J	11.5	J	26.9	J
7439-95-4	Magnesium (Mg)	2780.	J	3010.	J	1100.	J	3160.	J	3490.	J	3410.	J
7439-96-5	Manganese (Mn)	1.9	J	3.4	J	2.5	J	1.1	U	1.1	U	1.1	U
7440-02-0	Nickel (Ni)	3.	U	3.	U	3.8	U	3.	U	3.	U	3.	U
7440-09-7	Potassium (K)	1710.	J	1700.	J	1000.	J	1440.	J	3060.	J	3150.	J
7440-22-4	Silver (Ag)	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U	1.5	U
7440-23-5	Sodium (Na)	2880.	J	4510.	J	2350.	J	3560.	J	4970.	J	4760.	J
7440-62-2	Vanadium (V)	10.6	J	18.4	J	11.2	J	2.1	U	5.	J	4.2	J
7440-66-6	Zinc (Zn)	10.9	J	7.4	J	12.4	J	13.6	J	14.2	J	8.6	J
7440-28-0	Thallium (Tl)	0.95	U	0.95	U	0.95	U	0.95	U	0.95	U	0.95	U

NAS PENSACOLA
SITE 17
Groundwater Samples

METAL									
		SAMPLE ID ------->	017-G-GR06-01		017-G-GR07-01				
		ORIGINAL ID ----->	017GGR0601		017GGR0701				
		LAB SAMPLE ID --->	S555182*1		S555182*2				
		ID FROM REPORT -->	017GGR0601		017GGR0701				
		SAMPLE DATE ----->	09/18/95		09/18/95				
		DATE EXTRACTED -->	09/20/95		09/20/95				
		DATE ANALYZED --->	10/09/95		10/09/95				
		MATRIX ---------->	Water		Water				
		UNITS ---------->	UG/L		UG/L				
CAS #	Parameter		ENP12	VAL	ENP12	VAL			
7440-38-2	Arsenic (As)		3.	J	15.	U			
7439-97-6	Mercury (Hg)		0.06	U	0.06	U			
7439-92-1	Lead (Pb)		7.6		1.4	J			
7782-49-2	Selenium (Se)		1.2	U	2.6	J			
57-12-5	Cyanide (CN)		10.	U	10.	U			
7429-90-5	Aluminum (Al)		225.		94.6	J			
7440-36-0	Antimony (Sb)		2.3	U	23	U			
7440-39-3	Barium (Ba)		55.7	J	20.8	J			
7440-41-7	Beryllium (Be)		0.14	U	0.14	U			
7440-43-9	Cadmium (Cd)		1.4	U	1.4	U			
7440-70-2	Calcium (Ca)		67600.		41400.				
7440-47-3	Chromium (Cr)		4.2	U	4.2	U			
7440-48-4	Cobalt (Co)		1.2	U	1.2	U			
7440-50-8	Copper (Cu)		5.1	U	4.7	U			
7439-89-6	Iron (Fe)		52.3	J	15.4	J			
7439-95-4	Magnesium (Mg)		4490.	J	3780.	J			
7439-96-5	Manganese (Mn)		9.3	J	11.	U			
7440-02-0	Nickel (Ni)		3.	U	3.6	U			
7440-09-7	Potassium (K)		1730.	J	1480.	J			
7440-22-4	Silver (Ag)		1.5	U	1.5	U			
7440-23-5	Sodium (Na)		9980.		5020.				
7440-62-2	Vanadium (V)		3.5	J	4.6	J			
7440-66-6	Zinc (Zn)		18.8	J	19.5	J			
7440-28-0	Thallium (Tl)		0.95	U	0.95	U			

NAS PWSACOLA
SITE 17
Groundwater Samples

PEST													
	SAMPLE ID ------->	017-G-GR01-01		017-G-GR02-01		017-G-GR03-01		017-G-GR04-01		017-G-GR05-01		017-H-GR05-01	
	ORIGINAL ID ----->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	LAB SAMPLE ID --->	S555158*1		S555158*2		S555158*3		S555158*4		S555158*5		S555158*6	
	ID FROM REPORT -->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	SAMPLE DATE ----->	09/15/95		09/15/95		09/15/95		09/15/95		09/15/95		09/15/95	
	DATE EXTRACTED -->	09/19/95		09/19/95		09/19/95		09/19/95		09/19/95		09/19/95	
	DATE ANALYZED --->	09/22/95		09/22/95		09/22/95		09/22/95		09/23/95		09/23/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL
72-54-8	4,4'-DDD	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
72-55-9	4,4'-DDE	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
50-29-3	4,4'-DDT	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
309-00-2	Aldrin	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
12674-11-2	Aroclor-1016	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
11104-28-2	Aroclor-1221	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U	0.4	U
11141-16-5	Aroclor-1232	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
53469-21-9	Aroclor-1242	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
12672-29-6	Aroclor-1248	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
11097-69-1	Aroclor-1254	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
11096-82-5	Aroclor-1260	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U
60-57-1	Dieldrin	0.02	U	0.02	U	0.035		0.02	U	0.02	U	0.02	U
959-98-8	Endosulfan I	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
33213-65-9	Endosulfan II	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
1031-07-8	Endosulfan sulfate	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
72-20-8	Endrin	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
7421-93-4	Endrin aldehyde	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
53494-70-5	Endrin ketone	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U	0.02	U
76-44-8	Heptachlor	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
1024-57-3	Heptachlor epoxide	0.01	U	0.01	U	0.02		0.01	U	0.01	U	0.01	U
72-43-5	Methoxychlor	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
8001-35-2	Toxaphene	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
319-84-6	alpha-BHC	0.01	UJ	0.01	UJ	0.01	UJ	0.01	UJ	0.01	UJ	0.01	UJ
5103-71-9	alpha-Chlordane	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
319-85-7	beta-BHC	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
319-86-8	delta-BHC	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
58-89-9	gamma-BHC (Lindane)	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U
5103-74-2	gamma-Chlordane	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U	0.01	U

NAS PENSACOLA
SITE 17
Groundwater Samples

PEST									
	SAMPLE ID ------->	017-G-GR06-01		017-G-GR07-01					
	ORIGINAL ID ----->	017GGR0601		017GGR0701					
	LAB SAMPLE ID --->	S555182*1		S555182*2					
	ID FROM REPORT -->	017GGR0601		017GGR0701					
	SAMPLE DATE ----->	09/18/95		09/18/95					
	DATE EXTRACTED -->	09/20/95		09/20/95					
	DATE ANALYZED --->	09/28/95		09/28/95					
	MATRIX ---------->	Water		Water					
	UNITS ---------->	UG/L		UG/L					
CAS #	Parameter	ENP12	VAL	ENP12	VAL				
72-54-8	4,4'-DDD	0.02	U	0.02	U				
72-55-9	4,4'-DDE	0.02	U	0.02	U				
50-29-3	4,4'-DDT	0.02	U	0.02	U				
309-00-2	Aldrin	0.01	U	0.01	U				
12674-11-2	Aroclor-1016	0.2	U	0.2	U				
11104-28-2	Aroclor-1221	0.4	U	0.4	U				
11141-16-5	Aroclor-1232	0.2	U	0.2	U				
53469-21-9	Aroclor-1242	0.2	U	0.2	U				
12672-29-6	Aroclor-1248	0.2	U	0.2	U				
11097-69-1	Aroclor-1254	0.2	U	0.2	U				
11096-82-5	Aroclor-1260	0.2	U	0.2	U				
60-57-1	Dieldrin	0.02	U	0.02	U				
959-98-8	Endosulfan I	0.01	U	0.01	U				
33213-65-9	Endosulfan II	0.02	U	0.02	U				
1031-07-8	Endosulfan sulfate	0.02	U	0.02	U				
72-20-8	Endrin	0.02	U	0.02	U				
7421-93-4	Endrin aldehyde	0.02	U	0.02	U				
53494-70-5	Endrin ketone	0.02	U	6.02	U				
76-44-8	Heptachlor	0.01	U	0.01	U				
1024-57-3	Heptachlor epoxide	0.01	U	0.01	U				
72-43-5	Methoxychlor	0.1	U	0.1	U				
8001-35-2	Toxaphene	1.	U	1.	U				
319-84-6	alpha-BHC	0.01	UJ	0.01	UJ				
5103-71-9	alpha-Chlordane	0.01	U	0.01	U				
319-85-7	beta-BHC	0.01	U	0.01	U				
319-86-8	delta-BHC	0.01	U	0.01	U				
58-89-9	gamma-BHC (Lindane)	0.01	U	0.01	U				
5103-74-2	gamma-Chlordane	0.01	U	0.01	U				

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Groundwater Samples

SVOA													
	SAMPLE ID ------->	017-G-GR01-01		017-G-GR02-01		017-G-GR03-01		017-G-GR04-01		017-G-GR05-01		017-H-GR05-01	
	ORIGINAL ID ----->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	LAB SAMPLE ID --->	S555158*1		S555158*2		S555158*3		S555158*4		S555158*5		S555158*6	
	ID FROM REPORT -->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	SAMPLE DATE ----->	09/15/95		09/15/95		09/15/95		09/15/95		09/15/95		09/15/95	
	DATE EXTRACTED -->	09/20/95		09/20/95		09/20/95		09/20/95		09/20/95		09/20/95	
	DATE ANALYZED --->	10/10/95		10/10/95		10/08/95		10/08/95		10/09/95		10/08/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL
120-82-1	1,2,4-Trichlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
106-46-7	1,4-Dichlorobenzene	NR		NR		NR		NR		NR		NR	
39638-32-9	Bis(2-Chloroisopropyl)Ethcr	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
95-95-4	2,4,5-Trichlorophenol	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
88-06-2	2,4,6-Trichlorophenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
120-83-2	2,4-Dichlorophenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
105-67-9	2,4-Dimethylphenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
51-28-5	2,4-Dinitrophenol	20.	U	20.	U	20.	UJ	20.	UJ	20.	UJ	20.	UJ
121-14-2	2,4-Dinitrotoluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
606-20-2	2,6-Dinitrotoluene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
91-58-7	2-Chloronaphthalene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
95-57-8	2-Chlorophenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
91-57-6	2-Methylnaphthalene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
95-48-7	2-Methylphenol (o-Cresol)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
88-74-4	2-Nitroaniline	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
88-75-5	2-Nitrophenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
91-94-1	3,3'-Dichlorobenzidine	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
9999900-32-2	3-Methylphenol/4-Methylphenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
99-09-2	3-Nitroaniline	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
534-52-1	2-Methyl-4,6-Dinitrophenol	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
101-55	4-Bromophenyl-phenylether	5.	U	5.	U	5.	U	5.	U	5.	U	f.	U
59-50		5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
106-47-8	4-Chloroaniline	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
7005-72-3	4-Chlorophenylphenylether	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
100-01-6	4-Nitroaniline	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
100-02-7	4-Nitrophenol	20.	U	20,	U	20.	U	20.	U	20.	U	20.	U
83-32-9	Acenaphthene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
208-96-8	Acenaphthylene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
120-12-7	Anthracene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
56-55-3	Benzo(a)anthracene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
50-32-8	Benzo(a)pyrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
205-99-2	Benzo(b)fluoranthene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
191-24-2	Benzo(g,h,i)perylene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
207-08-9	Benzo(k)fluoranthene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Groundwater Samples

SVOA													
	SAMPLE ID ------->	017-G-GR01-01		017-G-GR02-01		017-G-GR03-01		017-G-GR04-01		017-G-GR05-01		017-H-GR05-01	
	ORIGINAL ID ----->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	LAB SAMPLE ID --->	S555158*1		S555158*2		S555158*3		S555158*4		S555158*5		S555158*6	
	ID FROM REPORT -->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	SAMPLE DATE ----->	09/15/95		09/15/95		09/15/95		09/15/95		09/15/95		09/15/95	
	DATE EXTRACTED -->	09/20/95		09/20/95		09/20/95		09/20/95		09/20/95		09/20/95	
	DATE ANALYZED --->	10/10/95		10/10/95		10/08/95		10/08/95		10/09/95		10/08/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL
85-68-7	Butylbenzylphthalate	5.	U	5.	U	5.	UJ	5.	UJ	5.	U	5.	UJ
86-74-8	Carbazole	NR		NR		NR		NR		NR		NR	
218-01-9	Chrysene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
84-74-2	Di-n-butylphthalate	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
117-84-0	Di-n-octyl phthalate	5.	U	5.	U	5.	UR	5.	UR	5.	UR	5.	U
53-70-3	Dibenz(a,h)anthracene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
132-64-9	Dibenzofuran	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
84-66-2	Diethylphthalate	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
131-11-3	Dimethyl phthalate	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
206-44-0	Fluoranthene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
86-73-7	Fluorene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
118-74-1	Hexachlorobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
87-68-3	Hexachlorobutadiene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
77-47-4	Hexachlorocyclopentadiene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-72-1	Hexachloroethane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
193-39-5	Indeno(1,2,3-cd)pyrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
78-59-1	Isophorone	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
621-64-7	N-Nitroso-di-n-propylamine	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
122-39-4	Diphenylamine	NR		NR		NR		NR		NR		NR	
91-20-3	Naphthalene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
98-95-3	Nitrobenzene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
87-86-5	Pentachlorophenol	20.	U	20.	U	20.	U	20.	U	20.	U	20.	U
85-01-8	Phenanthrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-95-2	Phenol	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
129-00-0	Pyrene	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
111-91-1	bis(2-Chloroethoxy)methane	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
111-44-4	bis(2-Chloroethyl)ether	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	5.	U	5.	U	5.	U	5.	U	5.	UJ	0.2	J
86-30-6	N-Nitrosodiphenylamine	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Groundwater Samples

SVOA											
		SAMPLE ID ------->	017-G-GR06-01		017-G-GR07-01		071-5-BENT-01 RE				
		ORIGINAL ID ----->	017GGR0601		017GGR0701		0715BENT01				
		LAB SAMPLE ID --->	S555182*1		S555182*2		S555009*33				
		ID FROM REPORT -->	017GGR0601		017GGR0701		0715BENT01				
		SAMPLE DATE ----->	09/18/95		09/18/95		09/08/95				
		DATE EXTRACTED -->	09/20/95		09/20/95		09/22/95				
		DATE ANALYZED --->	09/25/95		09/25/95		09/29/95				
		MATRIX ---------->	Water		Water		Soil				
		UNITS ---------->	UG/L		UG/L		UG/KG				
CAS #	Parameter		ENP12	VAL	ENP12	VAL	ENP09	VAL			
120-82-1	1,2,4-Trichlorobenzene		5.	U	5.	U	350.	U			
95-50-1	1,2-Dichlorobenzene		NR		NR		350.	U			
541-73-1	1,3-Dichlorobenrm		NR		NR		350.	U			
106-46-7	1,4-Dichlorobenzene		NR		NR		350.	U			
39638-32-9	Bis(2-Chloroisopropyl)Ether		5.	U	5.	U	350.	U			
95-95-4	2,4,5-Trichlorophenol		20.	U	20.	U	860.	U			
88-06-2	2,4,6-Trichlorophenol		5.	U	5.	U	350.	U			
120-83-2	2,4-Dichlorophenol		5.	U	5.	U	350.	U			
105-67-9	2,4-Dimethylphenol		5.	U	5.	U	350.	U			
51-28-5	2,4-Dinitrophenol		20.	U	20.	U	860.	U			
121-14-2	2,4-Dinitrotoluene		5.	U	5.	U	350.	U			
606-20-2	2,6-Dinitrotoluene		5.	U	5.	U	350.	U			
91-58-7	2-Chloronaphthalene		5.	U	5.	U	350.	U			
95-57-8	2-Chlorophenol		5.	U	5.	U	350.	U			
91-57-6	2-Methylnaphthalene		5.	U	5.	U	350.	U			
95-48-7	2-Methylphenol (o-Cresol)		5.	U	5.	U	350.	U			
88-74-4	2-Nitroaniline		20.	U	20.	U	860.	U			
88-75-5	2-Nitrophenol		5.	U	5.	U	350.	U			
91-94-1	3,3'-Dichlorobenzidine		5.	U	5.	U	350.	U			
9999900-32-2	3-Methylphenol/4-Methylphenol		5.	U	5.	U	350.	U			
99-09-2	3-Nitroaniline		20.	U	20.	U	860.	U			
534-52-1	2-Methyl-4,6-Dinitrophenol		20.	U	20.	U	860.	U			
101-55-3	4-Bromophenyl-phenylether		5.	U	5.	U	350.	U			
59-50-7	4-Chloro-3-methylphenol		5.	U	5.	U	350.	U			
106-47-8	4-Chloroaniline		5.	U	5.	U	350.	U			
7005-72-3	4-Chlorophenylphenylether		5.	U	5.	U	350.	U			
100-01-6	4-Nitroaniline		20.	U	20.	U	860.	U			
100-02-7	4-Nitrophenol		20.	U	20.	U	860.	U			
83-32-9	Acenaphthene		5.	U	5.	U	350.	U			
208-96-8	Acenaphthylene		5.	U	5.	U	350.	U			
120-12-7	Anthracene		5.	U	5.	U	350.	U			
56-55-3	Benzo(a)anthracene		5.	U	5.	U	350.	U			
50-32-8	Benzo(a)pyrene		5.	U	5.	U	150.	U			
205-99-2	Benzo(b)fluoranthene		5.	U	5.	U	350.	U			
191-24-2	Benzo(g,h,i)perylene		5.	U	5.	U	350.	U			
207-08-9	Benzo(k)fluoranthene		5.	U	5.	U	350.	U			

NAS PENSACOLA
SITE 17
Groundwater Samples

SVOA											
		SAMPLE ID ------->	017-G-GR06-01		017-G-GRD7-01		D71-5-BENT-01 RE				
		ORIGINAL ID ------>	017GGR0601		017GGR0701		D715BENT01				
		LAB SAMPLE ID --->	S555182*1		S555182*2		S555009*33				
		ID FROM REPORT -->	017GGR0601		D17GGR0701		D715BENT01				
		SAMPLE DATE ------>	09/18/95		09/18/95		09/08/95'				
		DATE EXTRACTED -->	09/20/95		09/20/95		09/22/95				
		DATE ANALYZED --->	09/25/95		09/25/95		09/29/95				
		MATRIX ---------->	Water		Water		Soil				
		UNITS ---------->	UG/L		UG/L		UG/KG				
CAS #	Parameter		ENP12	VAL	ENP12	VAL	ENP09	VAL			
85-68-7	Butylbenzylphthalate		5.	U	5.	U	350.	U			
86-74-8	Carbazole		NR		NR		350.	U			
218-01-9	Chrysene		5.	U	5.	U	350.	U			
84-74-2	Di-n-butylphthalate		5.	U	5.	U	350.	U			
117-84-0	Di-n-octyl phthalate		5.	U	5.	U	350.	U			
53-70-3	Dibenz(a,h)anthracene		5.	U	5.	U	150.	U			
132-64-9	Dikntofuran		5.	U	5.	U	350.	U			
84-66-2	Diethylphthalate		5.	U	5.	U	350.	U			
131-11-3	Dimethyl phthalate		5.	U	5.	U	350.	U			
206-44-0	Fluoranthene		5.	U	5.	U	350.	U			
86-73-7	Fluorene		5.	U	5.	U	350.	U			
118-74-1	Hexachlorobenzene		5.	U	5.	U	350.	U			
87-68-3	Hexachlorobutadiene		5.	U	5.	U	350.	U			
77-47-4	Hcxachlorocyclopentadiene		5.	U	5.	U	350.	U			
67-72-1	Hexachloroethane		5.	U	5.	U	350.	U			
193-39-5	Indeno(1,2,3-cd)pyrene		5.	U	5.	U	350.	U			
78-59-1	Isophorone		5.	U	5.	U	350.	U			
621-64-7	N-Nitroso-di-n-propylamine		5.	U	5.	U	64.	U			
122-39-4	Diphenylamine		NR		NR		350.	U			
91-20-3	Naphthalene		5.	U'	5.	U	350.	U			
98-95-3	Nitrobtntcnc		5.	U	5.	U	350.	U			
87-86-5	Pentachlorophenol		20.	U	20.	U	860.	U			
85-01-8	Phenanthrene		5.	U	5.	U	350.	U			
108-95-2	Phenol		5.	U	5.	U	350.	U			
129-00-0	Pyrcnc		5.	U	5.	U	350.	U			
111-91-1	bis(2-Chloroethoxy)methane		5.	U	5.	U	350.	U			
111-44-4	bis(2-Chloroethyl)ether		5.	U	5.	U	350.	U			
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		5.	U	5.	U	350.	U			
86-30-6	N-Nitrosodiphenylamine		5.	U	5.	U	NR				

NAS PENSACOLA
SITE 17
Groundwater Samples

TOC							
	SAMPLE ID ------->	017-M-0001-01					
	ORIGINAL ID ----->	017M000101					
	LAB SAMPLE ID --->	S555252A*1					
	ID FROM REPORT -->	017M000101					
	SAMPLE DATE ----->	09/20/95					
	DATE ANALYZED --->	09/26/95					
	MATRIX ---------->	Sediment					
	UNITS ----------->	MG/KG					
CAS #	Parameter	ENP09					
9999900-01-4	Total Organic Carbon (TOC)	32000.					

NAS PENSACOLA
SITE 17
Groundwater Samples

VOA															
	SAMPLE ID ------->	017-G-GR01-01		017-G-GR02-01		017-G-GR03-01		017-G-GR04-01		017-G-GR05-01		017-H-GR05-01	
	ORIGINAL ID ----->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	LAB SAMPLE ID --->	S555158*1		S555158*2		S555158*3		S555158*4		S555158*5		S555158*6	
	ID FROM REPORT -->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	SAMPLE DATE ----->	09/15/95		09/15/95		09/15/95		09/15/95		09/15/95		09/15/95	
	DATE ANALYZED --->	09/21/95		09/22/95		09/22/95		09/22/95		09/22/95.		09/22/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL
71-55-6	1,1,1-Trichloroethane	1	U	1	U	1	U	1	U	1	U	1.	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U	1.	U	1.	U	1.	U	1.	U	1.	U
79-00-5	1,1,2-Trichloroethane	1	U	1.	U	1	U	1	U	1	U	1	U
75-34-3	1,1-Dichloroethane	1.	U	1.	U	1.	U	1.	U	1	U	1.	U
75-35-4	1,1-Dichloroethene	1	U	1.	U	1	U	1	U	1	U	1	U
107-06-2	1,2-Dichloroethane	1.	U	1.	U	1.	U	1.	U	1	U	1.	U
78-87-5	1,2-Dichloropropane	1.	U	1.	U	1	U	1.	U	1	U	1	U
78-93-3	2-Butanone (MEK)	5.	UR	5.	UR	5.	UR	5.	UR	5.	UR	5.	UR
591-78-6	2-Hexanone	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U	5.	U	5.	U	5.	U	5.	U
67-64-1	Acetone	5.	UR	5.	UR	5.	UR	5.	UR	5.	UR	5.	UR
71-43-2	Benzene	1.	U	1	U	1	U	1	U	1	U	1	U
75-27-4	Bromodichloromethane	1.	U	1	U	1	U	1	U	1	U	1	U
75-25-2	Bromoform	1.	U	1.	U	1.	U	1.	U	1	U	1	U
74-83-9	Bromomethane	1.	U	1.	U	1	U	1	U	1	U	1	U
75-15-0	Carbon disulfide	1.	U	1.	U	1	U	1.	U	1	U	1	U
56-23-5	Carbon tetrachloride	1.	U	1.	U	1	U	1.	U	1	U	1	U
108-90-7	Chlorobenzene	1.	U	1.	U	1.	U	1.	U	1.	U	1	ti'
75-00-3	Chloroethane	1.	U	1.	U	1	U	1	U	1	U	1	U
67-66-3	Chloroform	1.	U	1.	U	1	U	1.	U	1	U	1.	U
74-87-3	Chloromethane	1.	U	1.	U	1	U	1	U	1	U	1	U
540-59-0	1,2-Dichloroethene (total)	NR		NR		NR		NR		NR		NR	
124-48-1	Dibromochloromethane	1.	U	1.	U	1	U	1.	U	1	U	1	U
100-41-4	Ethylbenzene	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
75-09-2	Methylene chloride	2.	U	2.	U	2	U	2	U	2		2.	U
100-42-5	Styrene	1.	U	1.	U	1	U	1.	U	1.	U	1.	U
127-18-4	Tetrachloroethene	1.	U	1.	U	1	U	0.2	J	0.2	J	0.2	J
108-88-3	Toluene	1.	U	1.	U	1	U	1.	U	1	U	1.	U
79-01-6	Trichloroethene	1.	U	1.	U	1	U	1.	U	1	U	1	U
75-01-4	Vinyl chloride	1.	U	1.	U	1	U	1.	U	1	U	1	U
1330-20-7	Xylene (Total)	1.	U	1.	U	1	U	1.	U	1	U	1	U
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U	1	U	1.	U	1	U	1.	U
10061-02-6	trans-1,3-Dichloropropene	1	U	1	U	1	U	1.	U	1	U	1	U
96-12-8	1,2-Dibromo-3-Chloropropane	1.	U	1	U	1	U	1	U	1	U	1	U
106-93-4	1, 2-Dibromoethane	1.	U	1	U	1	U	1	U	1	U	1	U
95-50-1	1,2-Dichlorobenzene	1.	U	1.	U	1.	U	1.	U	1.	U	1	U
541-73-1	1,3-Dichlorobenzene	1	U	1	U	1	U	1	U	1	U	1	U

NAS PENSACOLA
SITE 17
Groundwater Samples

VOA													
	SAMPLE ID ------->	017-G-GR01-01		017-G-GR02-01		017-G-GR03-01		017-G-GR04-01		017-G-GR05-01		017-H-GR05-01	
	ORIGINAL ID ----->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	LAB SAMPLE ID --->	S555158*1		S555158*2		S555158*3		S555158*4		S555158*5		S555158*6	
	ID FROM REPORT -->	017GGR0101		017GGR0201		017GGR0301		017GGR0401		017GGR0501		017HGR0501	
	SAMPLE DATE ----->	09/15/95		09/15/95		09/15/95		09/15/95		09/15/95		09/15/95	
	DATE ANALYZED --->	09/21/95		09/22/95		09/22/95		09/22/95		09/22/95		09/22/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL
106-46-7	1,4-Dichlorobenzene	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
74-97-5	Chlorobromomethane	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U	1.	U	1.	U	1.	U	1.	U

*** Validation Complete ***

NAS PWSACOLA
SITE 17
Groundwater Samples

VOA							
	SAMPLE ID ------->	017-G-GR06-01		017-G-GR07-01			
	ORIGINAL ID ----->	017GGR0601		017GGR0701			
	LAB SAMPLE ID --->	S555182*1		S555182*2			
	ID FROM REPORT -->	017GGR0601		017GGR0701			
	SAMPLE DATE ----->	09/18/95		09/18/95			
	DATE ANALYZED --->	09/27/95		09/27/95			
	MATRIX ---------->	Water		Water			
	UNITS ---------->	UG/L		UG/L			
CAS #	Parameter	ENP12	VAL	ENP12	VAL		
71-55-6	1,1,1-Trichloroethane	1.	U	1.	U		
79-34-5	1,1,2,2-Tetrachloroethane	1.	U	1.	U		
79-00-5	1,1,2-Trichloroethane	1.	U	1.	U		
75-35-4	1,1-Dichloroethane	1.	U	1.	U		
	1,1-Dichloroethene	1.	U	1.	U		
107-06-2	1,2-Dichloroethane	1.	U	1.	U		
78-87-5	1,2-Dichloropropane	1.	U	1.	U		
78-93-3	2-Butanone (MEK)	5.	UR	5.	UR		
591-78-6	2-Hexanone	5.	U	5.	U		
108-10-1	4-Methyl-2-Pentanone (MIBK)	5.	U	5.	U		
67-64-1	Acetone	5.	UR	5.	UR		
71-43-2	Benzene	1.	U	1.	U		
75-27-4	Bromodichloromethane	1.	U	1.	U		
75-25-2	Bromoform	1.	U	1.	U		
74-83-9	Bromomethane	1.	U	1.	U		
75-15-0	Carbon disulfide	1.	U	1.	U		
56-23-5	Carbon tetrachloride	1.	U	1.	U		
108-90-7	Chlorobenzene	1.	U	1.	U		
75-00-3	Chloroethane	1.	U	1.	U		
67-66-3	Chloroform	1.	U	1.	U		
74-87-3	Chloromethane	1.	U	1.	U		
540-59-0	1,2-Dichloroethene (total)	NR		NR			
124-48-1	Dibromochloromethane	1.	U	1.	U		
100-41-4	Ethylbenzene	1.	U	1.	U		
75-09-2	Methylene chloride	2.	U	1.	J		
100-42-5	Styrene	1.	U	1.	U		
127-18-4	Tetrachloroethene	1.	U	1.	U		
108-88-3	Toluene	1.	U	1.	U		
79-01-6	Trichloroethene	1.	U	1.	U		
75-01-4	Vinyl chloride	1.	U	1.	U		
1330-20-7	Xylene (Total)	1.	U	1.	U		
10061-01-5	cis-1,3-Dichloropropene	1.	U	1.	U		
10061-02-6	trans-1,3-Dichloropropene	1.	U	1.	U		
96-12-8	1,2-Dibromo-3-Chloropropane	1.	U	1.	U		
106-93-4	1, 2-Dibromoethane	1.	U	1.	U		
95-50-1	1,2-Dichlorobenzene	1.	U	1.	U		
541-73-1	1,3-Dichlorobenzene	1.	U	1.	U		

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Groundwater Samples

VOA											
	SAMPLE ID ------->	017-G-GR06-01		017-G-GR07-01							
	ORIGINAL ID ----->	017GGR0601		017GGR0701							
	LAB SAMPLE ID --->	S555182*1		S555182*2							
	ID FROM REPORT -->	017GGR0601		017GGR0701							
	SAMPLE DATE ----->	09/18/95		09/18/95							
	DATE ANALYZED --->	09/27/95		09/27/95							
	MATRIX ---------->	Water		Water							
	UNITS ---------->	UG/L		UG/L							
CAS #	Parameter	ENP12	VAL	ENP12	VAL						
106-46-7	1,4 Dichlorobenzene	1.	U	1.	U						
74-97-5	Chlorobromomethane	1.	U	1.	U						
156-59-2	cis-1,2-Dichloroethene	1.	U	1.	U						
156-60-5	trans-1,2-Dichloroethene	1.	U	1.	U						

Field/Trip Blank Analytical Data

NAS PENSACOLA
SITE 17
Blanks

METAL											
	SAMPLE ID ------->	017-D-0004-00		017-E-M010-00		071-5-BENT-01		071-6-SAND-01			
	ORIGINAL ID ----->	017D000400		017EM01000		0715BENT01		0716SAND01			
	LAB SAMPLE ID --->	S555292*2		S555292*1		S555009*18		S555009*19			
	ID FROM REPORT -->	017D000400		017EM01000		0715BENT01		0716SAND01			
	SAMPLE DATE ----->	09/21/95		09/21/95		09/08/95		09/08/95			
	DATE EXTRACTED -->	10/05/95		10/05/95		09/13/95		09/13/95			
	DATE ANALYZED --->	10/10/95		10/10/95		10/08/95		10/06/95			
	MATRIX ---------->	Water		Water		Soil		Soil			
	UNITS ---------->	UG/L		UG/L		MG/KG		MG/KG			
CAS #	Parameter	ENP10	VAL	ENP10	VAL	ENP09	VAL	ENP09	VAL		
7440-38-2	Arsenic (As)	3.4	J	2.6	J	6.4	J	0.29	J		
7439-97-6	Mercury (Hg)	0.06	J	0.07	J	0.02	U	0.01	U		
7439-92-1	Lead (Pb)	0.75	U	0.75	U	39.8		0.09	J		
7782-49-2	Selenium (Se)	1.	U	1.		0.56	UR	0.1	UR		
57-12-5	Cyanide (CN)	10.	U	10.	U	0.27	U	0.25	U		
7429-90-5	Aluminum (Al)	14.2	J	11.6	J	4560.		78.4			
7440-36-0	Antimony (Sb)	9.6	U	9.6	U	3.4	J	2.1	U		
7440-39-3	Barium (Ba)	4.8	J	5.1	J	260.		0.33	J		
7440-41-7	Beryllium (Be)	0.14	U	0.14	U	1.5		0.03	U		
7440-43-9	Cadmium (Cd)	1.5	J	1.4	U	0.41	J	0.2	U		
7440-70-2	Calcium (Ca)	167.	J	1250.	J	8650.	J	9.2	J		
7440-47-3	Chromium (Cr)	4.2	U	4.2	U	0.2	U	0.21	J		
7440-48-4	Cobalt (Co)	1.8	J	2.1	J	3.3	J	0.22	U		
7440-50-8	Copper (Cu)	2.3	U	2.3	U	7.3		0.18	U		
7439-89-6	Iron (Fe)	5.8	U	5.8	U	20800.		63.7			
7439-95-4	Magnesium (Mg)	12.8	U	12.8	U	3490.		3.4	J		
7439-96-5	Manganese (Mn)	1.1	U	1.1	U	600.		0.43	J		
7440-02-0	Nickel (Ni)	3.	U	3.	U	8.8		1.2	U		
7440-09-7	Potassium (K)	65.5	U	65.5	U	1030.		6.6	U		
7440-22-4	Silver (Ag)	1.5	U	1.5	U	0.19	U	0.17	U		
7440-23-5	Sodium (Na)	35.2	J	44.8	J	13600.		19.7	U		
7440-62-2	Vanadium (V)	2.1	U	2.1	U	3.	J	0.24	J		
7440-66-6	Zinc (Zn)	6.6	J	14.1	J	86.4	J	0.37	U		
7440-28-0	Thallium (Tl)	0.96	J	0.95	U	6.33	J	0.07	U		

NAS PENSACOLA
SITE 17
Blanks

PEST											
	SAMPLE ID ------->	017-D-0004-00		017-E-M010-00		071-5-BENT-01		071-6-SAND-01			
	ORIGINAL ID ----->	017D000400		017EM01000		0715BENT01		0716SAND01			
	LAB SAMPLE ID --->	S555292*2		S555292*1		S555009*18		S555009*19			
	ID FROM REPORT -->	017D000400		017EM01000		0715BENT01		0716SAND01			
	SAMPLE DATE ----->	09/21/95		09/21/95		09/08/95		09/08/95			
	DATE EXTRACTED -->	09/25/95		09/25/95		09/12/95		09/12/95			
	DATE ANALYZED --->	10/03/95		10/03/95		10/12/95		10/12/95			
	MATRIX ---------->	Water		Water		Soil		Soil			
	UNITS ---------->	UG/L		UG/L		UG/KG		UG/KG			
CAS #	Parameter	ENP10	VAL	ENP10	VAL	ENP09	VAL	ENP09	VAL		
72-54-8	4,4'-DDD	0.1	U	0.1	U	3.5	UJ	3.3	UJ		
72-55-9	4,4'-DDE	0.1	U	0.1	U	3.5	UJ	3.3	UJ		
50-29-3	4,4'-DDT	0.1	U	0.1	U	3	UJ	3.3	UJ		
309-00-2	Aldrin	0.05	U	0.05	U	1.8	UJ	1.7	UJ		
12674-11-2	Aroclor-1016	1.	U	1.	U	35.	UJ	33.	UJ		
11104-28-2	Aroclor-1221	2.	U	2.	U	72.	UJ	67.	UJ		
11141-16-5	Aroclor-1232	1.	U	1.	U	35.	UJ	33.	UJ		
53469-21-9	Aroclor-1242	1.	U	1.	U	35.	UJ	33.	UJ		
12672-29-6	Aroclor-1248	1.	U	1.	U	35.	UJ	33.	UJ		
11097-69-1	Aroclor-1254	1.	U	1.	U	35.	UJ	33.	UJ		
11096-82-5	Aroclor-1260	1.	U	1.	U	35.	UJ	33.	UJ		
60-57-1	Dieldrin	0.1	U	0.1	U	3.5	UJ	3.3	UJ		
959-98-8	Endosulfan I	0.05	U	0.05	U	1.8	UJ	1.7	UJ		
33213-65-9	Endosulfan II	0.1	U	0.1	U	3.5	UJ	3.3	UJ		
1031-07-8	Endosulfan sulfate	0.1	U	0.1	U	3.5	UJ	3.3	UJ		
72-20-8	Endrin	0.1	U	0.1	U	3.5	UJ	3.3	UJ		
7421-93-4	Endrin aldehyde	0.1	U	0.1	U	3.5	UJ	3.3	UJ		
53494-70-5	Endrin ketone	0.1	U	0.1	U	3.5	UJ	3.3	UJ		
76-44-8	Heptachlor	0.05	U	0.05	U	1.8	UJ	1.7	UJ		
1024-57-3	Heptachlor epoxide	0.05	U	0.05	U	1.8	UJ	1.7	UJ		
72-43-5	Methoxychlor	0.5	U	0.5	U	18.	UJ	17.	UJ		
8001-35-2	Toxaphene	5.	U	5.	U	180.	UJ	170.	UJ		
319-84-6	alpha-BHC	0.05	UJ	0.05	UJ	1.8	UJ	1.7	UJ		
5103-71-9	alpha-Chlordane	0.05	U	0.05	U	1.8	UJ	1.7	UJ		
319-85-7	beta-BHC	0.05	U	0.05	U	1.8	UJ	1.7	UJ		
319-86-8	delta-BHC	0.05	U	0.05	U	1.8	UJ	1.7	UJ		
58-89-9	gamma-BHC (Lindane)	0.05	U	0.05	U	1.8	UJ	1.7	UJ		
5103-74-2	gamma-Chlordane	0.05	U	0.05	U	1.8	UJ	1.7	UJ		

NAS PENSACOLA
SITE 17
Blanks

SVOA											
		SAMPLE ID ------->	017-D-0004-00		017-E-M010-00		071-6-SAND-01 RE				
		ORIGINAL ID ----->	017D000400		017EM01000		0716SAND01				
		LAB SAMPLE ID --->	S555292*2		S555292*1		S555009*34				
		ID FROM REPORT -->	017D000400		017EM01000		0716SAND01				
		SAMPLE DATE ----->	09/21/95		09/21/95		09/08/95				
		DATE EXTRACTED -->	09/26/95		09/26/95		09/22/95				
		DATE ANALYZED --->	09/30/95		09/30/95		09/29/95				
		MATRIX ---------->	Water		Water		Soil				
		UNITS ---------->	UG/L		UG/L		UG/KG				
CAS #	Parameter		ENP10	VAL	ENP10	VAL	ENP09	VAL			
120-82-1	1,2,4-Trichlorobenzene		10.	U	10.	U	330.	U			
95-50-1	1,2-Dichlorobenzene		10.	U	10.	U	330.	U			
541-73-1	1,3-Dichlorobenzene		10.	U	10.	U	330.	U			
106-46-7	1,4-Dichlorobenzene		10.	U	10.	U	330.	U			
39638-32-9	Bis(2-Chloroisopropyl)Ether		10.	U	10.	U	330.	U			
95-95-4	2,4,5-Trichlorophenol		25.	U	25.	U	800.	U			
88-06-2	2,4,6-Trichlorophenol		10.	U	10.	U	330.	U			
120-83-2	2,4-Dichlorophenol		10.	U	10.	U	330.	U			
105-67-9	2,4-Dimethylphenol		10.	U	10.	U	330.	U			
51-28-5	2,4-Dinitrophenol		25.	U	25.	U	800.	U			
121-14-2	2,4-Dinitrotoluene		10.	U	10.	U	330.	U			
606-20-2	2,6-Dinitrotoluene		10.	U	10.	U	330.	U			
91-58-7	2-Chloronaphthalene		10.	U	10.	U	330.	U			
95-57-8	2-Chlorophenol		10.	U	10.	U	330.	U			
91-57-6	2-Methylnaphthalene		10.	U	10.	U	330.	U			
95-48-7	2-Methylphenol (o-Cresol)		10.	U	10.	U	330.	U			
88-74-4	2-Nitroaniline		25.	U	25.	U	800.	U			
88-75-5	2-Nitrophenol		10.	U	10.	U	330.	U			
91-94-1	3,3'-Dichlorobenzidine		10.	U	10.	U	330.	U			
9999900-32-2	3-Methylphenol/4-Methylphenol		10.	U	10.	U	330.	U			
99-09-2	3-Nitroaniline		25.	U	25.	U	800.	U			
534-52-1	2-Methyl-4,6-Dinitrophenol		25.	U	25.	U	800.	U			
101-55-3	4-Bromophenyl-phenylether		10.	U	10.	U	330.	U			
59-50-7	4-Chloro-3-methylphenol		10.	U	10.	U	330.	U			
106-47-8	4-Chloroaniline		10.	U	10.	U	330.	U			
7005-72-3	4-Chlorophenylphenylether		10.	U	10.	U	330.	U			
100-01-6	4-Nitroaniline		25.	U	25.	U	800.	U			
100-02-7	4-Nitrophenol		25.	U	25.	U	800.	U			
83-32-9	Acenaphthene		10.	U	10.	U	330.	U			
208-96-8	Acenaphthylene		10.	U	10.	U	330.	U			
120-12-7	Anthracene		10.	U	10.	U	330.	U			
56-55-3	Benzo(a)anthracene		10.	U	10.	U	330.	U			
50-32-8	Benzo(a)pyrene		10.	U	10.	U	140.	U			
205-99-2	Benzo(b)fluoranthene		10.	U	10.	U	330.	U			
191-24-2	Benzo(g,h,i)perylene		10.	U	10.	U	330.	U			
207-08-9	Benzo(k)fluoranthene		10.	U	10.	U	330.	U			

NAS PENSACOLA
SITE 17
Blanks

SVOA													
		SAMPLE ID ------->	017-D-0004-00		017-E-M010-00		071-6-SAND-01 RE						
		ORIGINAL ID ----->	017D000400		017EM01000		0716SAND01						
		LAB SAMPLE ID --->	S555292*2		S555292*1		S555009*34						
		ID FROM REPORT -->	017D000400		017EM01000		0716SAND01						
		SAMPLE DATE ----->	09/21/95		09/21/95		09/08/95						
		DATE EXTRACTED -->	09/26/95		09/26/95		09/22/95						
		DATE ANALYZED --->	09/30/95		09/30/95		09/29/95						
		MATRIX --------->	Water		Water		Soil						
		UNITS ---------->	UG/L		UG/L		UG/KG						
CAS #	Parameter		ENP10	VAL	ENP10	VAL	ENP09	VAL					
85-68-7	Butylbenzylphthalate		10.	U	10.	U	330.	U					
86-74-8	Carbazole		10.	U	10.	U	330.	U					
218-01-9	Chrysene		10.	U	10.	U	330.	U					
84-74-2	Di-n-butylphthalate		10.	U	10.	U	330.	U					
117-84-0	Di-n-octyl phthalate		10.	U	10.	U	330.	U					
53-70-3	Dibenz(a,h)anthracene		10.	U	10.	U	140.	U					
132-64-9	Dibenzofuran		10.	U	10.	U	330.	U					
84-66-2	Diethylphthalate		10.	U	10.	U	330.	U					
131-11-3	Dimethyl phthalate		10.	U	10.	U	330.	U					
206-44-0	Fluoranthene		10.	U	10.	U	330.	U					
86-73-7	Fluorene		10.	U	10.	U	330.	U					
118-74-1	Hexachlorobenzene		10.	U	10.	U	330.	U					
87-68-3	Hexachlorobutadiene		10.	U	10.	U	330.	U					
77-47-4	Hexachlorocyclopentadiene		10.	U	10.	U	330.	U					
67-72-1	Hexachloroethane		10.	U	10.	U	330.	U					
193-39-5	Indeno(1,2,3-cd)pyrene		10.	U	10.	U	330.	U					
78-59-1	Isophorone		10.	U	10.	U	330.	U					
621-64-7	N-Nitroso-di-n-propylamine		10.	U	10.	U	60.	U					
122-39-4	Diphenylamine		10.	U	10.	U	330.	U					
91-20-3	Naphthalene		10.	U	10.	U	330.	U					
98-95-3	Nitrobenzene		10.	U	10.	U	330.	U					
87-86-5	Pentachlorophenol		25.	U	25.	U	800.	U					
85-01-8	Phenanthrene		10.	U	10.	U	330.	U					
108-95-2	Phenol		10.	U	10.	U	530.	U					
129-00-0	Pyrene		10.	U	10.	U	330.	U					
111-91-1	bis(2-Chloroethoxy)methane		10.	U	10.	U	330.	U					
111-44-4	bis(2-Chloroethyl)ether		10.	U	10.	U	330.	U					
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		10.	U	10.	U	330.	U					
86-30-6	N-Nitrosodiphenylamine		NR		NR		NR						

NAS PENSACOLA
SITE 17
Blanks

VOA	SAMPLE ID ------->	017-D-0004-00		017-T-G001-01		017-T-G002-01		017-T-M001-01		017-T-M002-01		017-E-M010-00	
	ORIGINAL ID ----->	017D000400		017TG00101		017TG00201		017TM00101		017TM00201		017EM01000	
	LAB SAMPLE ID --->	S555292*2		S555158*7		S555182*3		S555252*3		S555292*3		S555292*1	
	ID FROM REPORT -->	017D000400		017TG00101		017TG00201		017TM00101		017TM00201		017EM01000	
	SAMPLE DATE ----->	09/21/95		09/15/95		09/18/95		09/20/95		09/21/95		09/21/95	
	DATE ANALYZED --->	09/27/95		09/22/95		09/27/95		09/27/95		09/27/95		09/27/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	ENP10	VAL	ENP12	VAL	ENP12	VAL	ENP10	VAL	ENP10	VAL	ENP10	VAL
71-55-6	1,1,1-Trichloroethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
75-34-3	1,1-Dichloroethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
75-35-4	1,1-Dichloroethene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
107-06-2	1,2-Dichloroethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
78-87-5	1,2-Dichloropropane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
78-93-3	2-Butanone (MEK)	10.	U	5.	UR	5.	UR	10.	U	10.	U	10.	U
591-78-6	2-Hexanone	10.	U	5.	U	5.	U	10.	U	10.	U	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	5.	U	5.	U	10.	U	10.	U	10.	U
67-64-1	Acetone	10.	U	5.	UR	5.	UR	10.	U	10.	U	10.	U
71-43-2	Benzene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
75-27-4	Bromodichloromethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
75-25-2	Bromoform	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
74-83-9	Bromomethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
75-15-0	Carbon disulfide	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
56-23-5	Carbon tetrachloride	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
108-90-7	Chlorobenzene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
67-66-3	Chloroform	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
74-87-3	Chloromethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U	NR		NR		10.	U	10.	U	10.	U
124-48-1	Dibromochloromethane	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
100-41-4	Ethylbenzene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
75-09-2	Methylene chloride	10.	U	2.	U	2.	U	10.	U	10.	U	10.	U
100-42-5	Styrene	10.	U	0.2	J	1.	U	10.	U	0.4	J	10.	U
127-18-4	Tetrachloroethene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
108-88-3	Toluene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
79-01-6	Trichloroethene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	4.	U	1.	U	1.	U	4.	U	4.	U	4.	U
1330-20-7	Xylene (Total)	10.	U	1.	U	1.	U	10.	U	0.8	J	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U	1.	U	1.	U	10.	U	10.	U	10.	U
96-12-8	1,2-Dibromo-3-Chloropropane	NR		1.	U	1.	U	NR		NR		NR	
106-93-4	1, 2-Dibromoethane	NR		1.	U	1.	U	NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		1.	U	1.	U	NR		NR		NR	
541-73-1	1,3-Dichlorobenzene	NR		1.	U	1.	U	NR		NR		NR	

NAS PENSACOLA
SITE 17
Blanks

VOA													
	SAMPLE ID ------->	017-D-0004-00		017-T-G001-01		017-T-G002-01		017-T-M001-01		017-T-M002-01		017-E-M010-00	
	ORIGINAL ID ----->	017D000400		017TG00101		017TG00201		017TM00101		017TM00201		017EM01000	
	LAB SAMPLE ID --->	S555292*2		S555158*7		S555182*3		S555252*3		S555292*3		S555292*1	
	ID FROM REPORT -->	017D000400		017TG00101		017TG00201		017TM00101		017TM00201		017EM01000	
	SAMPLE DATE ----->	09/21/95		09/15/95		09/18/95		09/20/95		09/21/95		09/21/95	
	DATE ANALYZED --->	09/27/95		09/22/95		09/27/95		09/27/95		09/27/95		09/27/95	
	MATRIX ---------->	Water		Water		Water		Water		Water		Water	
	UNITS ---------->	UG/L		UG/L		UG/L		UG/L		UG/L		UG/L	
CAS #	Parameter	ENP10	VAL	ENP12	VAL	ENP12	VAL	ENP10	VAL	ENP10	VAL	ENP10	VAL
106-46-7	1,4-Dichlorobenzene	NR		1.	U	1.	U	NR		NR		NR	
74-97-5	Chlorobromomethane	NR		1.	U	1.	U	NR		NR		NR	
156-59-2	cis-1,2-Dichloroethene	NR		1.	U	1.	U	NR		NR		NR	
156-60-5	trans-1,2-Dichloroethene	NR		1.	U	1.	U	NR		NR		NR	

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Blanks

VOA										
	SAMPLE ID ------->	017-T-S001-01		071-5-BENT-01		071-6-SAND-01				
	ORIGINAL ID ------>	017TS00101		0715BENT01		0716SAND01				
	LAB SAMPLE ID --->	S555009*20		S555009*18		S555009*19				
	ID FROM REPORT --->	017TS00101		0715BENT01		0716SAND01				
	SAMPLE DATE ------>	09/08/95		09/08/95		09/08/95				
	DATE ANALYZED --->	09/20/95		09/15/95		09/15/95				
	MATRIX ---------->	Water		Soil		Soil				
	UNITS ---------->	UG/KG		UG/KG		UG/KG				
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL			
71-55-6	1,1,1-Trichloroethane	10.	U	54.	UJ	10.	U			
79-34-5	1,1,2,2-Tetrachloroethane	10.	U	54.	UJ	10.	U			
79-00-5	1,1,2-Trichloroethane	10.	U	54.	UJ	10.	U			
75-34-3	1,1-Dichloroethane	10.	U	54.	UJ	10.	U			
75-35-4	1,1-Dichloroethene	10.	U	54.	UJ	10.	U			
107-06-2	1,2-Dichloroethane	111	U	54.	UJ	10.	U			
78-87-5	1,2-Dichloropropane	10.	U	54.	UJ	10.	U			
78-93-3	2-Butanone (MEK)	10.	U	120.	J	10.	U			
591-78-6	2-Hexanone	10.	U	54.	UJ	10.	U			
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	74.	J	10.	U			
67-64-1	Acetone	10.	U	630.	J	10.	U			
71-43-2	Benzene	10.	U	54.	UJ	10.	U			
75-27-4	Bromodichloromethane	10.	U	54.	UJ	10.	U			
75-25-2	Bromoform	10.	U	54.	UJ	10.	U			
74-83-9	Bromomethane	10.	U	54.	UJ	10.	U			
75-15-0	Carbon disulfide	10.	U	54.	UJ	10.	U			
56-23-5	Carbon tetrachloride	10.	U	54.	UJ	10.	U			
108-90-7	Chlorobenzene	10.	U	54.	UJ	10.	U			
75-00-3	Chloroethane	10.	U	54.	UJ	10.	U			
67-66-3	Chloroform	10.	U	54.	UJ	10.	U			
74-87-3	Chloromethane	10.	U	54.	UJ	10.	U			
540-59-0	1,2-Dichloroethene (total)	10.	U	54.	UJ	10.	U			
124-48-1	Dibromochloromethane	10.	U	54.	UJ	10.	U			
100-41-4	Ethylbenzene	10.	U	54.	UJ	111	U			
75-09-2	Methylene chloride	10.	U	54.	UJ	10.	U			
100-42-5	Styrene	10.	U	54.	UJ	10.	U			
127-18-4	Tetrachloroethene	10.	U	54.	UJ	10.	U			
108-88-3	Toluene	10.	U	54.	UJ	10.	U			
79-01-6	Trichloroethene	10.	U	54.	UJ	10.	U			
75-01-4	Vinyl chloride	4.	U	21.	UJ	4.	U			
1330-20-7	Xylene (Total)	10.	U	54.	UJ	10.	U			
10061-01-5	cis-1,3-Dichloropropene	10.	U	54.	UJ	10.	U			
10061-02-6	trans-1,3-Dichloropropene	10.	U	54.	UJ	10.	U			
96-12-8	1,2-Dibromo-3-Chloropropane	NR		NR		NR				
106-93-4	1, 2-Dibromoethane	NR		NR		NR				
95-50-1	1,2-Dichlorobenzene	NR		NR		NR				
541-73-1	1,3-Dichlorobenzene	NR		NR		NR				

NAS PENSACOLA
SITE 17
Blanks

VOA							
	SAMPLE ID ------->	017-T-S001-01	071-5-BENT-01	071-6-SAND-01			
	ORIGINAL ID ----->	017TS00101	0715BENT01	0716SAND01			
	LAB SAMPLE ID --->	S555009*20	S555009*18	S555009*19			
	ID FROM REPORT -->	017TS00101	0715BENT01	0716SAND01			
	SAMPLE DATE ----->	09/08/95	09/08/95	09/08/95			
	DATE ANALYZED --->	09/20/95	09/15/95	09/15/95			
	MATRIX ---------->	Water	Soil	Soil			
	UNITS ---------->	UG/KG	UG/KG	UG/KG			
CAS #	Parameter	ENP09 VAL	ENP09 VAL	ENP09 VAL			
106-46-7	1,4-Dichlorobenzene	NR	NR	NR			
74-97-5	Chlorobromomethane	NR	NR	NR			
156-59-2	cis-1,2-Dichloroethene	NR	NR	NR			
156-60-5	trans-1,2-Dichloroethene	NR	NR	NR			

Laboratory Blank Analytical Data

NAS PENSACOLA
SITE 17
Blanks

METAL													
	SAMPLE ID ------->	MBL-0-NP09-02		MBL-0-NP09-06		MBL-0-NP10-01		MBL-0-NP10-02		MBL-0-NP12-04		MBL-0-NP12-06	
	ORIGINAL ID ----->	MBLK2		MBLK3		MBLK1		MBLK2		MBLK1		MBLK1	
	LAB SAMPLE ID --->	S555009*22		S555009*35		S555292*4		S555252*5		S555182*4		S555158*8	
	ID FROM REPORT -->	MBLK2		MBLK3		MBLK1		MBLK2		MBLK1		MBLK1	
	SAMPLE DATE ----->												
	DATE EXTRACTED -->	09/13/95		10/05/95		10/05/95		10/09/95		09/20/95		09/20/95	
	DATE ANALYZED --->	10/08/95		10/12/95		10/10/95		10/12/95		10/09/95		10/09/95	
	MATRIX ---------->	Soil		Soil		Water		Soil		Water		Water	
	UNITS ---------->	MG/KG		MG/KG		UG/L		MG/KG		UG/L		UG/L	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP10	VAL	ENP10	VAL	ENP12	VAL	ENP12	VAL
7440-38-2	Arsenic (As)	0.12	U	NR		1.2	U	0.25	B	1.5	U	1.5	U
7439-97-6	Mercury (Hg)	0.02	B	NR		0.07	B	0.014	U	0.055	U	0.055	U
7439-92-1	Lead (Pb)	1.3	U	0.044	U	0.75	U	1.3	U	0.75	U	0.75	U
7782-49-2	Selenium (Se)	0.1	U	NR		1.	U	0.1	U	1.3	U	1.3	U
57-12-5	Cyanide (CN)	0.25	U	0.25	U	10.	U	0.25	U	10.	U	10.	U
7429-90-5	Aluminum (Al)	1.9	B	NR		9.6	U	0.96	U	9.6	U	9.6	U
7440-36-0	Antimony (Sb)	2.1	U	NR		9.6	U	0.96	U	2.3	U	2.3	U
7440-39-3	Barium (Ba)	0.083	U	NR		0.5	U	0.05	U	0.5	U	0.5	U
7440-41-7	Beryllium (Be)	0.026	U	NR		0.14	U	0.014	U	0.14	U	0.14	U
7440-43-9	Cadmium (Cd)	0.2	U	NR		1.4	U	0.14	U	1.4	U	1.4	U
7440-70-2	Calcium (Ca)	1.4	U	NR		72.7	B	2.6	B	63.2	B	63.2	B
7440-47-3	Chromium (Cr)	0.19	U	NR		4.2	U	0.42	U	4.2	U	4.2	U
7440-48-4	Cobalt (Co)	0.22	U	NR		1.9	B	0.12	U	-1.3	B	-1.3	B
7440-50-8	Copper (Cu)	0.18	U	NR		4.8	B	0.66	B	2.3	U	2.3	U
7439-89-6	Iron (Fe)	0.47	U	NR		10.	B	0.85	B	5.8	U	5.8	U
7439-95-4	Magnesium (Mg)	1.4	U	NR		12.8	U	1.3	U	12.8	U	12.8	U
7439-96-5	Manganese (Mn)	0.12	U	NR		1.1	U	0.11	U	1.1	U	1.1	U
7440-02-0	Nickel (Ni)	1.2	U	NR		3.	U	0.3	U	3.	U	3.	U
7440-09-7	Potassium (K)	6.6	U	NR		65.5	U	6.6	U	65.5	U	65.5	U
7440-22-4	Silver (Ag)	0.17	U	NR		1.5	U	0.15	U	1.5	U	1.5	U
7440-23-5	Sodium (Na)	7.5	B	NR		39.7	B	3.3	B	67.4	B	67.4	B
7440-62-2	Vanadium (V)	0.14	U	NR		2.1	U	0.21	U	2.1	U	2.1	U
7440-66-6	Zinc (Zn)	0.1	B	NR		3.3	B	0.63	B	1.8	B	1.8	B
7440-28-0	Thallium (Tl)	0.07	U	NR		0.95	U	0.095	U	0.95	U	0.95	U

NAS PENSACOLA
SITE 17
Blanks

PEST													
		SAMPLE ID ------->	MBL-0-NP09-03		MBL-0-NP10-01		MBL-0-NP10-02		MBL-0-NP12-01		MBL-0-NP12-07		
		ORIGINAL ID ----->	MBLK2		MBLK1		MBLK2		MBLK1		MBLK1		
		LAB SAMPLE ID --->	S555009*22		S555292*4		S555252*5		S555182*4		S555158*8		
		ID FROM REPORT -->	MBLK2		MBLK1		MBLK2		MBLK1		MBLK1		
		SAMPLE DATE ----->											
		DATE EXTRACTED -->	09/12/95		09/25/95		09/26/95		09/20/95		09/19/95		
		DATE ANALYZED --->	10/10/95		10/02/95		10/10/95		09/28/95		09/22/95		
		MATRIX ---------->	Soil		Water		Soil		Water		Water		
		UNITS ---------->	UG/KG		UG/L		UG/KG		UG/L		UG/L		
CAS #	Parameter		ENP09	VAL	ENP10	VAL	ENP10	VAL	ENP12	VAL	ENP12	VAL	
72-54-8	4,4'-DDD		3.3	U	0.1	U	3.3	U	0.02	U	0.02	U	
72-55-9	4,4'-DDE		3.3	U	0.1	U	3.3	U	0.02	U	0.02	U	
50-29-3	4,4'-DDT		3.3	U	0.1	U	3.3	U	0.02	U	0.02	U	
309-00-2	Aldrin		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
12674-11-2	Aroclor-1016		33.	U	1.	U	33.	U	0.2	U	0.2	U	
11104-28-2	Aroclor-1221		67.	U	2.	U	67.	U	0.4	U	0.4	U	
11141-16-5	Aroclor-1232		33.	U	1.	U	33.	U	0.2	U	0.2	U	
53469-21-9	Aroclor-1242		33.	U	1.	U	33.	U	0.2	U	0.2	U	
12672-29-6	Aroclor-1248		33.	U	1.	U	33.	U	0.2	U	0.2	U	
11097-69-1	Aroclor-1254		33.	U	1.	U	33.	U	0.2	U	0.2	U	
11096-82-5	Aroclor-1260		33.	U	1.	U	33.	U	0.2	U	0.2	U	
60-57-1	Dieldrin		3.3	U	0.1	U	3.3	U	0.02	U	0.02	U	
959-98-8	Endosulfan I		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
33213-65-9	Endosulfan II		3.3	U	0.1	U	3.3	U	0.02	U	0.02	U	
1031-07-8	Endosulfan sulfate		3.3	U	0.1	U	3.3	U	0.02	U	0.02	U	
72-20-8	Endrin		3.3	U	0.1	U	3.3	U	0.02	U	0.0032	JP	
7421-93-4	Endrin aldehyde		3.3	U	0.1	U	3.3	U	0.02	U	0.02	U	
53494-70-5	Endrin ketone		3.3	U	0.1	U	3.3	U	0.02	U	0.02	U	
76-44-8	Heptachlor		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
1024-57-3	Heptachlor epoxide		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
72-43-5	Methoxychlor		17.	U	0.5	U	17.	U	0.1	U	0.1	U	
8001-35-2	Toxaphene		170.	U	5.	U	170.	U	1.	U	1.	U	
319-84-6	alpha-BHC		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
5103-71-9	alpha-Chlordane		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
319-85-7	beta-BHC		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
319-86-8	delta-BHC		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
58-89-9	gamma-BHC (Lindane)		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	
5103-74-2	gamma-Chlordane		1.7	U	0.05	U	1.7	U	0.01	U	0.01	U	

NAS PENSACOLA
SITE 17
Blanks

SVOA															
		SAMPLE ID ------->	MBL-0-NP09-04		MBL-0-NP09-07		MBL-0-NP09-08		MBL-0-NP09-09		MBL-0-NP10-01		IBL-0-NP10-02	
		ORIGINAL ID ----->	MBLK2		MBLK3		MBLK4		MBLK5		MBLK1		IBLK2	
		LAB SAMPLE ID --->	S555009*22		S555009*35		S555009*36		S555009*37		S555292*4		555252*5	
		ID FROM REPORT -->	MBLK2		MBLK3		MBLK4		MBLK5		MBLK1		IBLK2	
		SAMPLE DATE ----->												
		DATE EXTRACTED -->	09/26/95		09/26/95		09/26/95		09/26/95		09/26/95		9/26/95	
		DATE ANALYZED --->	10/11/95		10/11/95		10/11/95		10/11/95		09/30/95		0/11/95	
		MATRIX ---------->	Soil		Soil		Soil		Soil		Water		oil	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/L		G/KG	
CAS #	Parameter		ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP10	VAL	NP10	VAL
120-82-1	1,2,4-Trichlorobenzene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
95-50-1	1,2-Dichlorobenzene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
541-73-1	1,3-Dichlorobenzene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
106-46-7	1,4-Dichlorobenzene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
39638-32-9	Bis(2-Chloroisopropyl)Ether		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
95-95-4	2,4,5-Trichlorophenol		800.	U	800.	U	800.	U	800.	U	25.	U	800.	U
88-06-2	2,4,6-Trichlorophenol		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
120-83-2	2,4-Dichlorophenol		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
105-67-9	2,4-Dimethylphenol		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
51-28-5	2,4-Dinitrophenol		800.	U	800.	U	800.	U	800.	U	25.	U	800.	U
121-14-2	2,4-Dinitrotoluene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
606-20-2	2,6-Dinitrotoluene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
91-58-7	2-Chloronaphthalene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
95-57-8	2-Chlorophenol		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
91-57-6	2-Methylnaphthalene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
95-48-7	2-Methylphenol (o-Cresol)		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
88-74-4	2-Nitroaniline		800.	U	800.	U	800.	U	800.	U	25.	U	800.	U
88-75-5	2-Nitrophenol		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
91-94-1	3,3'-Dichlorobenzidine		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
9999900-32-2	3-Methylphenol/4-Methylphenol		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
99-09-2	3-Nitroaniline		800.	U	800.	U	800.	U	800.	U	25.	U	800.	U
534-52-1	2-Methyl-4,6-Dinitrophenol		800.	U	800.	U	800.	U	800.	U	25.	U	800.	U
101-55-3	4-Bromophenyl-phenylether		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
59-50-7	4-Chloro-3-methylphenol		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
106-47-8	4-Chloroaniline		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
7005-72-3	4-Chlorophenylphenylether		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
100-01-6	4-Nitroaniline		800.	U	800.	U	800.	U	800.	U	25.	U	800.	U
100-02-7	4-Nitrophenol		800.	U	800.	U	800.	U	800.	U	25.	U	800.	U
83-32-9	Acenaphthene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
208-96-8	Acenaphthylene		330.	U	330.	U	330.	U	330.	U	to.	U	350.	U
120-12-7	Anthracene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
56-55-3	Benzo(a)anthracene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
50-32-8	Benzo(a)pyrene		140.	U	140.	U	140.	U	140.	U	10.	U	140.	U
205-99-2	Benzo(b)fluoranthene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
191-24-2	Benzo(g,h,i)perylene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
207-08-9	Benzo(k)fluoranthene		330.	U	330.	U	330.	U	330.	U	10.	U	330.	U

NAS PWSACOLA
SITE 17
Blanks

SVOA													
	SAMPLE ID ------->	MBL-0-NP09-04		MBL-0-NP09-07		MBL-0-NP09-08		MBL-0-NP09-09		MBL-0-NP10-01		MBL-0-NP10-02	
	ORIGINAL ID ----->	MBLK2		MBLK3		MBLK4		MBLK5		MBLK1		MBLK2	
	LAB SAMPLE ID --->	S555009*22		S555009*35		S555009*36		S555009*37		S555292*4		S555252*5	
	ID FROM REPORT -->	MBLK2		MBLK3		MBLK4		MBLK5		MBLK1		MBLK2	
	SAMPLE DATE ----->												
	DATE EXTRACTED -->	09/26/95		09/26/95		09/26/95		09/26/95		09/26/95		09/26/95	
	DATE ANALYZED --->	10/11/95		10/11/95		10/11/95		10/11/95		09/30/95		10/11/95	
	MATRIX ---------->	Soil		Soil		Soil		Soil		Water		Soil	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/L		UG/KG	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP10	VAL	ENP10	VAL
85-68-7	Butylbenzylphthalate	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
86-74-8	Carbazole	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
218-01-9	Chrysene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
84-74-2	Di-n-butylphthalate	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
117-84-0	Di-n-octyl phthalate	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
53-70-3	Dibenz(a,h)anthracene	140.	U	140.	U	140.	U	140.	U	10.	U	140.	U
132-64-9	Dibenzofuran	330.	U	350.	U	330.	U	330.	U	10.	U	330.	U
84-66-2	Diethylphthalate	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
131-11-3	Dimethyl phthalate	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
206-44-0	Fluoranthene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
86-73-7	Fluorene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
118-74-1	Hexachlorobenzene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
87-68-3	Hexachlorobutadiene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
77-47-4	Hexachlorocyclopentadiene	330.	U	530.	U	330.	U	330.	U	10.	U	330.	U
67-72-1	Hexachloroethane	330.	U	330.	U	330.	U	330.	U	10.	U	350.	U
193-39-5	Indeno(1,2,3-cd)pyrene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
78-59-1	Isophorone	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
621-64-7	N-Nitroso-di-n-propylamine	60.	U	60.	U	60.	U	60.	U	10.	U	60.	U
122-39-4	Diphenylamine	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
91-20-3	Naphthalene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
98-95-3	Nitrobenzene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
87-86-5	Pentachlorophenol	800.	U	800.	U	800.	U	800.	U	25.	U	800.	U
85-01-8	Phenanthrene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
108-95-2	Phenol	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
129-00-0	Pyrene	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
111-91-1	bis(2-Chloroethoxy)methane	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
111-44-4	bis(2-Chloroethyl)ether	330.	U	330.	U	330.	U	330.	U	10.	U	330.	U
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)	330.	U	18.	J	330.	U	70.	J	10.	U	330.	U
86-30-6	N-Nitrosodiphenylamine	NR		NR		NR		NR		NR		NR	

NAS PENSACOLA
SITE 17
Blanks

SVOA									
	SAMPLE ID ------->	MBL-0-NP10-06		MBL-0-NP12-02		MBL-0-NP12-08			
	ORIGINAL ID ----->	MBLK3		MBLK1		MBLK1			
	LAB SAMPLE ID --->	S555252*8		S555182*4		S555158*8			
	ID FROM REPORT -->	MBLK3		MBLK1		MBLK1			
	SAMPLE DATE ----->								
	DATE EXTRACTED -->	09/26/95		09/20/95		09/20/95			
	DATE ANALYZED --->	10/11/95		09/25/95		09/22/95			
	MATRIX ---------->	Soil		Water		Water			
	UNITS ---------->	UG/KG		UG/L		UG/L			
CAS #	Parameter	ENP10	VAL	ENP12	VAL	ENP12	VAL		
120-82-1	1,2,4-Trichlorobenzene	330.	U	5.	U	5.	U		
95-50-1	1,2-Dichlorobenzene	330.	U	NR		NR			
541-73-1	1,3-Dichlorobenzene	330.	U	NR		NR			
106-46-7	1,4-Dichlorobenzene	330.	U	NR		NR			
39638-32-9	Bis(2-Chloroisopropyl)Ether	330.	U	5.	U	5.	U		
95-95-4	2,4,5-Trichlorophenol	800.	U	20.	U	20.	U		
88-06-2	2,4,6-Trichlorophenol	330.	U	5.	U	5.	U		
120-83-2	2,4-Dichlorophenol	330.	U	5.	U	5.	U		
105-67-9	2,4-Dimethylphenol	330.	U	5.	U	5.	U		
51-28-5	2,4-Dinitrophenol	800.	U	20.	U	20.	U		
121-14-2	2,4-Dinitrotoluene	330.	U	5.	U	5.	U		
606-20-2	2,6-Dinitrotoluene	330.	U	5.	U	5.	U		
91-58-7	2-Chloronaphthalene	330.	U	5.	U	5.	U		
95-57-8	2-Chlorophenol	330.	U	5.	U	5.	U		
91-57-6	2-Methylnaphthalene	330.	U	5.	U	5.	U		
95-48-7	2-Methylphenol (o-Cresol)	330.	U	5.	U	5.	U		
88-74-4	2-Nitroaniline	800.	U	20.	U	20.	U		
88-75-5	2-Nitrophenol	330.	U	5.	U	5.	U		
91-94-1	3,3'-Dichlorobenzidine	330.	U	5.	U	5.	U		
9999900-32-2	3-Methylphenol/4-Methylphenol	330.	U	5.	U	5.	U		
99-09-2	3-Nitroaniline	800.	U	20.	U	20.	U		
534-52-1	2-Methyl-4,6-Dinitrophenol	800.	U	20.	U	20.	U		
101-55-3	4-Bromophenyl-phenylether	330.	U	5.	U	5.	U		
59-50-7	4-Chloro-3-methylphenol	330.	U	5.	U	5.	U		
106-47-8	4-Chloroaniline	330.	U	5.	U	5.	U		
7005-72-3	4-Chlorophenylphenylether	330.	U	5.	U	5.	U		
100-01-6	4-Nitroaniline	000.	U	20.	U	20.	U		
100-02-7	4-Nitrophenol	800.	U	20.	U	20.	U		
83-32-9	Acenaphthene	330.	U	5.	U	5.	U		
208-96-8	Acenaphthylene	330.	U	5.	U	5.	U		
120-12-7	Anthracene	330.	U	5.	U	5.	U		
56-55-3	Benzo(a)anthracene	330.	U	5.	U	5.	U		
50-32-8	Benzo(a)pyrene	140.	U	5.	U	5.	U		
205-99-2	Benzo(b)fluoranthene	330.	U	5.	U	5,	U		
191-24-2	Benzo(g,h,i)perylene	330.	U	5.	U	5.	U		
207-08-9	Benzo(k)fluoranthene	330.	U	5.	U	5.	U		

NAS PENSACOLA
SITE 17
Blanks

SVOA											
		SAMPLE ID ------->	MBL-0-NP10-06		MBL-0-NP12-02		MBL-0-NP12-08				
		ORIGINAL ID ----->	MBLK3		MBLK1		MBLK1				
		LAB SAMPLE ID --->	S555252*8		S555182*4		S555158*8				
		ID FROM REPORT -->	MBLK3		MBLK1		MBLK1				
		SAMPLE DATE ----->									
		DATE EXTRACTED -->	09/26/95		09/20/95		09/20/95				
		DATE ANALYZED --->	10/11/95		09/25/95		09/22/95				
		MATRIX ---------->	Soil		Water		Water				
		UNITS ---------->	UG/KG		UG/L		UG/L				
CAS #	Parameter		ENP10	VAL	ENP12	VAL	ENP12	VAL			
85-68-7	Butylbenzylphthalate		330.	U	5.	U	5.	U			
86-74-8	Carbazole		330.	U	NR		NR				
218-01-9	Chrysene		330.	U	5.	U	5.	U			
84-74-2	Di-n-butylphthalate		330.	U	5.	U	5.	U			
117-84-0	Di-n-octyl phthalate		330.	U	5.	U	5.	U			
53-70-3	Dibenz(a,h)anthracene		140.	U	5.	U	5.	U			
132-64-9	Dibenzofuran		330.	U	5.	U	5.	U			
84-66-2	Diethylphthalate		330.	U	5.	U	5.	U			
131-11-3	Dimethyl phthalate		330.	U	5.	U	5.	U			
206-44-0	Fluoranthene		330.	U	5.	U	5.	U			
86-73-7	Fluorene		330.	U	5.	U	5.	U			
118-74-1	Hexachlorobenzene		330.	U	5.	U	5.	U			
87-68-3	Hexachlorobutadiene		330.	U	5.	U	5.	U			
77-47-4	Hexachlorocyclopentadiene		330.	U	5.	U	5.	U			
67-72-1	Hexachloroethane		330.	U	5.	U	5.	U			
193-39-5	Indeno(1,2,3-cd)pyrene		330.	U	5.	U	5.	U			
78-59-1	Isophorone		330.	U	5.	U	5.	U			
621-64-7	N-Nitroso-di-n-propylamine		60.	U	5.	U	5.	U			
122-39-4	Diphenylamine		330.	U	NR		NR				
91-20-3	Naphthalene		330.	U	5.	U	5.	U			
98-95-3	Nitrobenzene		330.	U	5.	U	5.	U			
87-86-5	Pentachlorophenol		800.	U	20.	U	20.	U			
85-01-8	Phenanthrene		330.	U	5.	U	5.	U			
108-95-2	Phenol		330.	U	5.	U	5.	U			
129-00-0	Pyrene		330.	U	5.	U	5.	U			
111-91-1	bis(2-Chloroethoxy)methane		330.	U	5.	U	5.	U			
111-44-4	bis(2-Chloroethyl)ether		330.	U	5.	U	5.	U			
117-81-7	bis(2-Ethylhexyl)phthalate (BEHP)		70.	J	5.	U	5.	U			
86-30-6	N-Nitrosodiphenylamine		NR		5.	U	5.	U			

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Blanks

TOC							
	SAMPLE ID ------->	MBL-0-WP09-01					
	ORIGINAL ID ----->	MBLK1					
	LAB SAMPLE ID --->	S555252A*2					
	ID FROM REPORT -->	MBLK1					
	SAMPLE DATE ----->						
	DATE ANALYZED --->	09/26/95					
	MATRIX ---------->	Soil					
	UNITS ---------->	MG/KG					
CAS #	Parameter	ENP09					
9999900-01-4	Total Organic Carbon (TOC)	100. U					

NAS PENSACOLA
SITE 17
Blanks

VOA													
	SAMPLE ID ------->	MBL-0-NP09-01		MBL-0-NP09-05		MBL-0-NP09-10		MBL-0-NP09-11		MBL-0-NP10-01		MBL-0-NP10-01	
	ORIGINAL ID ----->	MBLK1		MBLK2		MBLK6		MBLK7		MBLK1		MBLK1	
	LAB SAMPLE ID --->	S555009*21		S555009*22		S555009*42		S555009*43		S555252*4		S555292*4	
	ID FROM REPORT -->	MBLK1		MBLK2		MBLK6		MBLK7		MBLK1		MBLK1	
	SAMPLE DATE ----->												
	DATE ANALYZED --->	09/15/95		09/15/95		09/15/95		09/15/95		09/26/95		09/27/95	
	MATRIX ---------->	Water		Soil		Soil		Soil		Water		Water	
	UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/L		UG/L	
CAS #	Parameter	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP10	VAL	ENP10	VAL
71-55-6	1,1,1-Trichloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
79-34-5	1,1,2,2-Tetrachloroethane	2.	J	0.8	J	10.	U	10.	U	10.	U	10.	U
79-00-5	1,1,2-Trichloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-34-3	1,1-Dichloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-35-4	1,1-Dichloroethene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
107-06-2	1,2-Dichloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-87-5	1,2-Dichloropropane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
78-93-3	2-Butanone (MEK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
591-78-6	2-Hexanone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-10-1	4-Methyl-2-Pentanone (MIBK)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-64-1	Acetone	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
71-43-2	Benzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-27-4	Bromodichloromethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-25-2	Bromoform	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
74-83-9	Bromomethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-15-0	Carbon disulfide	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
56-23-5	Carbon tetrachloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-90-7	Chlorobenzene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-00-3	Chloroethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
67-66-3	Chloroform	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
74-87-3	Chloromethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
540-59-0	1,2-Dichloroethene (total)	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
124-48-1	Dibromochloromethane	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-41-4	Ethylbenzene	0.6	J	10.	U	10.	U	10.	U	10.	U	10.	U
75-09-2	Methylene chloride	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
100-42-5	Styrene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
127-18-4	Tetrachloroethene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
108-88-3	Toluene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
79-01-6	Trichloroethene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
75-01-4	Vinyl chloride	4.	U	4.	U	4.	U	4.	U	4.	U	4.	U
1330-20-7	Xylene (Total)	1.	J	10.	U	10.	U	10.	U	10.	U	10.	U
10061-01-5	cis-1,3-Dichloropropene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
10061-02-6	trans-1,3-Dichloropropene	10.	U	10.	U	10.	U	10.	U	10.	U	10.	U
96-12-8	1,2-Dibromo-3-Chloropropane	NR		NR		NR		MR		NR		NR	
106-93-4	1, 2-Dibromoethane	NR		NR		NR		NR		NR		NR	
95-50-1	1,2-Dichlorobenzene	NR		NR		NR		MR		NR		MR	
541-73-1	1,3-Dichlorobenzene	NR		NR		NR		NR		NR		NR	

NAS PENSACOLA
SITE 17
Blanks

VOA													
		SAMPLE ID ------->	MBL-0-NP09-01		MBL-0-NP09-05		MBL-0-NP09-10		MBL-0-NP09-11		MBL-0-NP10-01		MBL-0-NP10-01	
		ORIGINAL ID ----->	MBLK1		MBLK2		MBLK6		MBLK7		MBLK1		MBLK1	
		LAB SAMPLE ID --->	S555009*21		S555009*22		S555009*42		S555009*43		S555252*4		S555292*4	
		ID FROM REPORT -->	MBLK1		MBLK2		MBLK6		MBLK7		MBLK1		MBLK1	
		SAMPLE DATE ----->												
		DATE ANALYZED --->	09/15/95		09/15/95		09/15/95		09/15/95		09/26/95		09/27/95	
		MATRIX ---------->	Water		Soil		Soil		Soil		Water		Water	
		UNITS ---------->	UG/KG		UG/KG		UG/KG		UG/KG		UG/L		UG/L	
CAS #	Parameter		ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP09	VAL	ENP10	VAL	ENP10	VAL
106-46-7	1,4-Dichlorobenzene		NR		NR		NR		NR		NR		YR	
74-97-5	Chlorobromomethane		NR		NR		NR		NR		NR		NR	
156-59-2	cis-1,2-Dichloroethene		NR		NR		NR		NR		NR		NR	
156-60-5	trans-1,2-Dichloroethene		NR		NR		NR		NR		NR		NR	

*** Validation Complete ***

NAS PENSACOLA
SITE 17
Blanks

VOA											
		SAMPLE ID ------->	MBL-0-NP10-02		MBL-0-NP12-03		MBL-0-NP12-05		MBL-0-NP12-09		
		ORIGINAL ID ----->	MBLK2		MBLK1		MBLK2		MBLK1		
		LAB SAMPLE ID --->	S555252*5		S555182*4		S555158*9		S555158*8		
		ID FROM REPORT -->	MBLK2		MBLK1		MBLK2		MBLK1		
		SAMPLE DATE ----->									
		DATE ANALYZED --->	09/26/95		09/27/95		09/22/95		09/22/95		
		MATRIX ---------->	Soil		Water		Water		Water		
		UNITS ---------->	UG/KG		UG/L		UG/L		UG/L		
CAS #	Parameter		ENP10	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL	
71-55-6	1,1,1-Trichloroethane		10.	U	1.	U	1.	U	1.	U	
79-34-5	1,1,2,2-Tetrachloroethane		10.	U	1.	U	1.	U	1.	U	
79-00-5	1,1,2-Trichloroethane		10.	U	1.	U	1.	U	1.	U	
75-34-3	1,1-Dichloroethane		10.	U	1.	U	1.	U	1.	U	
75-35-4	1,1-Dichloroethene		10.	U	1.	U	1.	U	1.	U	
107-06-2	1,2-Dichloroethane		10.	U	1.	U	1.	U	1.	U	
78-87-5	1,2-Dichloropropane		10.	U	1.	U	1.	U	1.	U	
78-93-3	2-Butanone (MEK)		10.	U	5.	U	5.	U	5.	U	
591-78-6	2-Hexanone		10.	U	5.	U	5.	U	5.	U	
108-10-1	4-Methyl-2-Pentanone (MIBK)		10.	U	5.	U	5.	U	5.	U	
67-64-1	Acetone		10.	U	5.	U	5.	U	5.	U	
71-43-2	Benzene		10.	U	1.	U	1.	U	1.	U	
75-27-4	Bromodichloromethane		10.	U	1.	U	1.	U	1.	U	
75-25-2	Bromoform		10.	U	1.	U	1.	U	1.	U	
74-83-9	Bromomethane		10.	U	1.	U	1.	U	1.	U	
75-15-0	Carbon disulfide		10.	U	1.	U	1.	U	1.	U	
56-23-5	Carbon tetrachloride		10.	U	1.	U	1.	U	1.	U	
108-90-7	Chlorobenzene		10.	U	1.	U	1.	U	1.	U	
75-00-3	Chloroethane		10.	U	1.	U	1.	U	1.	U	
67-66-3	Chloroform		10.	U	1.	U	1.	U	1.	U	
74-87-3	Chloromethane		10.	U	1.	U	1.	U	1.	U	
540-59-0	1,2-Dichloroethene (total)		10.	U	NR		NR		NR		
124-48-1	Dibromochloromethane		10.	U	1.	U	1.	U	1.	U	
100-41-4	Ethylbenzene		10.	U	1.	U	1.	U	1.	U	
75-09-2	Methylene chloride		2.	J	2.	U	2.	U	2.	U	
100-42-5	Styrene		10.	U	1.	U	1.	U	1.	U	
127-18-4	Tetrachloroethene		10.	U	1.	U	1.	U	1.	U	
108-88-3	Toluene		10.	U	1.	U	1.	U	1.	U	
79-01-6	Trichloroethene		10.	U	1.	U	1.	U	1.	U	
75-01-4	Vinyl chloride		4.	U	1.	U	1.	U	1.	U	
1330-20-7	Xylene (Total)		10.	U	1.	U	1.	U	1.	U	
10061-01-5	cis-1,3-Dichloropropene		10.	U	1.	U	1.	U	1.	U	
10061-02-6	trans-1,3-Dichloropropene		10.	U	1.	U	1.	U	1.	U	
96-12-8	1,2-Dibromo-3-Chloropropane		NR		1.	U	1.	U	1.	U	
106-93-4	1, 2-Dibromoethane		NR		1.	U	1.	U	1.	U	
95-50-1	1,2-Dichlorobenzene		NR		1.	U	1.	U	1.	U	
541-73-1	1,3-Dichlorobenzene		NR		1.	U	1.	U	1.	U	

NAS PENSACOLA
SITE 17
Blanks

VOA	SAMPLE ID ------->	MBL-0-NP10-02		MBL-0-NP12-03		MBL-0-NP12-05		MBL-0-NP12-09			
	ORIGINAL ID ----->	MBLK2		MBLK1		MBLK2		MBLK1			
	LAB SAMPLE ID --->	S555252*5		S555182*4		S555158*9		S555158*8			
	ID FROM REPORT -->	MBLK2		MBLK1		MBLK2		MBLK1			
	SAMPLE DATE ----->										
	DATE ANALYZED --->	09/26/95		09/27/95		09/22/95		09/22/95			
	MATRIX ---------->	Soil		Water		Water		Water			
	UNITS ---------->	UG/KG		UG/L		UG/L		UG/L			
CAS #	Parameter	ENP10	VAL	ENP12	VAL	ENP12	VAL	ENP12	VAL		
106-46-7	1,4-Dichlorobenzene	NR		1.	U	1.	U	1.	U		
74-97-5	Chlorobromomethane	NR		1.	U	1.	U	1.	U		
156-59-2	cis-1,2-Dichloroethene	NR		1.	U	1.	U	1.	U		
156-60-5	trans-1,2-Dichloroethene	NR		1.	U	1.	U	1.	U		

*** Validation Complete ***